AQUATIC CODING GUIDELINE OUTLINE

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QA Date/Initials

Publication Reference Number, Author, Year

Total Tests

Reviewer/Date

2. Test Chemical Parameters

Chemical Name (TEST)

Chemical Grade (GRADE)

Chemical Characteristics (CHARACTERISTICS)

Radiolabel

Chemical Abstract Services Registry Number (CAS#)

Solvent Chemical (S/V)

Other Chemicals (OTH CHEM)

3. Test Organism Parameters

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Organism Characteristics

Control

4. Test Condition Parameters

Test Media (FW/SW)

Test Location (LAB, NR, FIELDN, FIELDA, FIELDU)

Study Type

Experimental Design

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ENDPOINT HIERARCHY

Trend

Effect

Combining Effect

EFFECT HIERARCHY

Tissue

Combining Tissue

EE_Remark

Effect Percent (EFCT %)

Combining Effect Percent Statistical Significance (SIGNIF)

Combining of Statistics

Significance Level (LEVEL)

Combining of Level

Other Effects (OTH EFFECT)

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Concentration Type (CONC TYPE)

Concentration Types and Definitions

Effect Concentration (CONC)

Bioconcentration Value (BCF)

Chemical Analysis Method Exposure Type

7. Test Duration Parameters

Exposure Time

8. Water Chemistry Parameters

Specific Parameters

9. Remark Parameters

10. Field Testing Parameters

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Substrate (SUBSTR)
Water Depth (DEPTH)
Location
Geographic Text(ST/PR/COUNTRY)
Latitude/Longitude (LAT/LONG)

Application Type (AP TYPE)
Application Frequency (AP FREQ)
Application Rate (AP RATE)
Chemical Half-life (HALF LIFE)
Application Season (AP SEAS)
Application Date (AP DATE)

KEYWORD INDEX TO CODING GUIDELINES GLOSSARY REFERENCES

A OVERVIEW OF ECOTOX

1. Introduction to Review of Literature

The data elements included in ECOTOX encompass standard test parameters typically reported within a publication. Each database record contains information about the exposure and test conditions. Specific parameters include the test chemical, species, and endpoint or effect concentration.

The included literature is identified through standardized bibliographic retrievals. Each publication is evaluated and the applicable data is encoded by trained literature reviewers. The data encoded are evaluated according to existing standard test methods such as those from the American Society for Testing and Materials (1993), Code of Federal Regulations (1992), and the American Public Health Association (1992). Each test included in ECOTOX is assigned a documentation code that indicates the amount of supporting methods and results documentation available in the original scientific publication.

2. Literature Reviewer Training

Training Sequence

The training sequence is designed to develop consistent, accurate, and versatile literature reviewers. This is accomplished through an intensive period of literature review, interactive quality assurance procedures, and consultation with other ECOTOX database personnel.

The scope of the six month intensive training period encompasses the following areas:

- endpoint toxicity test review (one month);
- effect only toxicity test review (two months);
- bioconcentration study review (one month);
- field study review (one month); and
- in-depth training within the areas listed above (one month).

The personnel available to support the reviewer include the data coordinator and trained ECOTOX reviewers. The following documentation and materials are used for training:

ECOTOX Standard Operating Procedures (1998, US EPA Contract GS04K95BFD0169, Task #CCA686461:

- Fundamentals of Aquatic Toxicology (Rand (Ed) 1995);
- American Society for Testing and Methods; (ASTM, 1996)
- Selected toxicity literature publications; and
- AQUIRE and TERRETOX coding sheets.

The reviewer initially reviews the ECOTOX Standard Operating Procedures: Coding Guidelines, applicable publications listed in the reference section for each of the databases, applicable US EPA Standard Evaluation Procedures and ASTM guidelines. The primary emphasis is to understand the minimum criteria that characterize toxicity tests. These criteria must be reported in the toxicity publications selected for review in order to qualify for

inclusion in the ECOTOX database. The criteria are:

- Name of the test chemical;
- Name of the test organism;
- Effect of the test chemical on the organism;
- Test chemical concentration or application rate;
- Test duration (except for abstracts and non-English publications).

The secondary emphasis is to develop the ability to distinguish between exposure types (lethal, sublethal, bioconcentration). The reviewer is trained to recognize whether standard methods are reported for test methodologies and for the test endpoint. The reviewer is also trained to identify tests which are not applicable to ECOTOX.

Once the general introductory materials are read, the standard training guidelines introduce the reviewer to each category of toxicity literature. Information specific to areas of acute, chronic and bioconcentration literature is discussed in subsequent sections of this chapter. The guidelines can be tailored to the specific areas of expertise and strengths that each person brings to the project. Three primary elements are emphasized in each component of the training sequence. The standard training sequence is:

- 1. Example review: Examination of previously encoded toxicity literature. The trainee reviews between 5 to 10 toxicity publications and compares each with its associated pre-completed coding sheet.
- 2. Independent review: The trainee independently reviews a minimum of 10 to 20 toxicity publications. All 10 20 reviews are quality assured via a review of the publication and coding by the data coordinator. Inconsistent coding practices are resolved with the trainee. The trainee continues to review additional toxicity publications and the level of QA decreases from 100 percent to 10 percent as the reviewer's consistency and proficiency increase.
- 3. Measure of proficiency: Established ECOTOX quality assurance procedures require a close review of all reviewed publications by the data coordinator to ensure accurate reviewing is consistent with current test methodologies and SOPs. All discrepancies identified are noted by the data coordinator and discussed with the trainee.
- 4. A full time reviewer begins the training sequence reviewing 20 publications per month. This amount increases until a level of 35 publications per month is attained. The average time estimated per review at the beginning of the training sequence is 1.5 hours per publication. The time should decrease to one hour per publication. A part time reviewer's training expectations will be decreased accordingly.

Measures of Competency for Trained Reviewers

The quality assurance process is an ongoing component of literature reviewing. Emphasis is placed on quality assurance during the initial collaborative training period, during the 10 percent replicate review process, and through consultation with publications in the field of aquatic toxicology. As part of this process, consistency and concurrence between the document abstractors is attained.

The ten percent replicate review process assures data integrity and promotes routine evaluation of coding practices. Through this training process, strengths and weaknesses in the data abstractor's expertise are identified and specific programs are established to enhance expertise where needed. Such programs include consultation with ECOTOX staff, toxicology publications and the EPA Database Manager, as needed. Evaluation of replicate reviews, which is performed on 10% of all coded references, is used to flag and correct any major discrepancies between replicates. In addition a screening of all completed coding sheets to ensure consistency and completeness prior to data entry is required. Parameters routinely screened include water chemistry, test organism descriptors, calculated endpoints and total test numbers.

Steps in the Quality Assurance Process

1. Ten percent of the reviewed articles from each abstractor are randomly identified by the data coordinator. Information concerning the number of publications is entered into a Lotus 1-2-3 file, maintained on the data coordinator's computer. The spreadsheet tracks the QA process and calculates the percent of the publications subjected to quality assurance for each reviewer (Table 1). The original reviewer's code sheet for the chosen publication is placed in the "Double Review and QA" file folder maintained by the data coordinator. An "ECOTOX 10% Tracking Form" sheet is maintained in the folder and filled out as articles are received (Figure 1). The spreadsheet file is also updated.

Table 1. ECOTOX 10% TRACKING SHEET EXAMPLE

Date Rec	Doc#	Tot Rec'd	# QAed	2nd Rev	2nd Comp	Coord	Completed
11/30/93	5342	8	1	JACKY	11/30/93	ANNE	01/15/94
12/14/93	6808	10	1	AMY			

2. The publication is given to a second reviewer for independent review. After completion of the second review, the data coordinator gives the coding sheets and paper to the EPA Database Manager who compares both reviewer's coding sheets, documents the differences (if any) between reviewers, archives the information on the "ECOTOX 10% Replicate Review" form (Figure 1), then returns the form to the reviewers for comment. The reviewers note discrepancies by either agreeing with the EPA Database Manager's comments or expressing their differing opinions on the form. After the replicate review form

is returned to the EPA Database Manager, discussions are held with both reviewers to resolve any remaining differences. Discrepancies due to differences in interpretation are resolved by the EPA Database Manager. Errors caused by incomplete Coding Guideline documentation are identified and modifications are made to the document.

3. Upon completion of the review process, the data coordinator checks to make sure the original reviewer's coding sheet contains the correct data, notes completion date on the "ECOTOX 10% Tracking Form" and in the spreadsheet, and forwards the coding sheet to data entry. The ECOTOX 10% Replicate Review forms are filed with the double review coding sheets in a separate file.

Figure 1. ECOTOX Replicate Review Form

ECO	TOX 10% REPLICATE REVIEW		
Replicate Review	Date:		
Complete	Reference Number:		
Section I	an digaranancias autlinad\		
Coordinator Comments (Data abstraction	on discrepancies outlined):		
		Initials:	Date:
~~~~~~~~~~~~	.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
Section II			
Second Data Abstractor Comments (Re	esponse to discrepancies):		
		Initials:	Date:
section III	.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~~~
First Data Abstractor Comments (Respo	onse/Incorporation of modifications):		
		Initials:	Date:
<b>Section IV</b> ( <i>If non-applicable, go to Se</i> Coordinator Comments (Remaining da	ection VI) ata abstraction discrepancies outlined):		
[ ] Further action required, see below:			

	Initials:	Date:
Section V (If Section IV is used, complete Section V)  First Data Abstractor Comments (Response/Incorporated modifications outlined):	.~~~~~	~~~~~
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Initials:	Date:
Section VI		
[] Replicate review complete; no further action required.		
	Initials:	Date:

3. General Coding Information

Overview

ECOTOX is comprised of three databases - AQUIRE, PHYTOTOX and TERRETOX. Across the three databases, the common data elements for each test contained in ECOTOX are grouped by chemical, organism, exposure conditions, and effects. Test chemical parameters describe the toxicant and any associated carrier; the CAS registry number; and the grade, purity and/or composition. The test organism parameters include the Latin name, a species number and lifestage, source, and/or characteristics of the organism. The test conditions identify the test location; exposure type, time, and conditions; and any control parameters. Effect and endpoint parameters consist of codes to define lethal, sublethal, or residue effects and/or endpoints. The corresponding chemical concentration or dose is reported for both exposure and observation concentrations, if reported. Available data are extracted from the text, tables, and graphs of each publication.

Based on the information coded for the preceding categories, a documentation code is calculated for each piece of data in ECOTOX. The documentation code provides an index of the completeness of methods documentation and results presentation in the original publication.

The following sections are designed as an overview of the guidelines for reviewers. The information presented in this section identifies the common and unique attributes of each database. Each section heading corresponds to a data element (if the data element is unique to one or two of the databases, this is noted following the section heading). The unique attributes of each database are described in the specific coding guidelines located in Section C for AQUIRE, Section D for PHYTOTOX, and Section E for TERRETOX. Any exceptions from these guidelines must be authorized by the EPA Database Manager and subsequently documented in these guidelines.

Coding Practices

This section provides an overview of the general coding practices used for the ECOTOX database. These practices have been devised to ensure accuracy and consistency in transcribing data from the original publication to the final data file.

- A unique coding sheet is used for each of the independent databases AQUIRE, PHYTOTOX and TERRETOX. Guidelines for coding data as well as blank copies of the coding sheets can be found in Section C for AQUIRE, Section D for PHYTOTOX, and Section E for TERRETOX.
- Each reported test exposure (or in some cases each unique endpoint) requires a separate line on the coding sheet. If many tests are reported that are conducted under similar conditions, ditto marks are placed in the field or remarks area where the information is identical to the line above.
- Endpoints, effect or exposure concentrations/doses, control data and exposure times reported in graphic format are coded. Data extracted from graphs are presented as range or <,> values, unless an exact value is clearly presented. If the format of the graph does not allow extrapolation, the availability of such data is noted in REMARKS, i.e., "/control data graphed//". Data extracted from a graph must be accompanied by a comment in the REMARK field "/from

graph//". When there is a discrepancy between data presented in the text or table and data presented in a graph, the paper is to be forwarded to the EPA Database Manager for a final determination of which data point will be included in the database.

- To ensure completeness and accuracy, if information is unavailable for a coding field, the field must still be completed using either NR (not reported) or occasionally, NA (not applicable).
- To ensure accuracy in transcribing data values, all numbers between zero and one should be reported with a zero preceding the decimal point (e.g., 0.5 not .5). Periods are only used to represent a decimal point, never an abbreviation.
- To ensure consistency as well as accuracy, report the significant figures as the author reports them. Do not add or round off numbers. Report only the actual values, do not code variance information (e.g. +/-).
- Use "per" or a colon (:) instead of a slash (/) to designate ratios. Reserve the slash for designating remarks or units.
- The REMARK field is a text field which contains additional information about a coding field. The Remark field is used when the information necessary for coding a field does not fit in the space provided. A complete list of remark identifiers is documented in the appendices for each of the databases.

C. AQUIRE CODING GUIDELINES

A unique coding sheet is used for each of the independent databases - copies of the AQUIRE coding sheets are located in Appendix A. For AQUIRE, field (natural and artificial) tests are coded on the AQUIRE Field Coding Sheet; all other studies are coded on the AQUIRE Lab Coding Sheet.

1. Quality Assurance Parameters

QA Date/Initials

The person conducting the first Quality Assurance Check enters the date of the QA check and their initials.

Publication Reference Number, Author, Year

The Reference Number (Ref #) is the unique number which identifies a particular publication. This number, assigned by the data entry program, provides the link between the data entered and the original publication. On the coding sheet, enter the reference number located in the upper right-hand corner of the hard copy of the publication, the last name of the first author, and the publication year. For abstracts, use the publication year of the abstract source.

Total Tests

The total tests encoded for a publication are recorded by the reviewer. The total test number equals the total number of individual effect records that are coded for each publication.

Reviewer/Date

The reviewer's last name is written here. The date on which the publication was reviewed should be entered in the format of month/day/year.

2. Test Chemical Parameters

AQUIRE is catalogued by the toxicant tested using the Chemical Abstracts Service (CAS) registry number. If a CAS registry number is not available through standard sources the toxicity data cannot be included in AQUIRE. Additional toxicants not included in AQUIRE are water chemistry effects (e.g., pH), complex effluents, and chemical mixtures.

Chemical mixtures may be interpreted broadly. For example, if a pesticide is a mixture of two active ingredients, each may have a separate CAS number. If the formulation has a CAS number, the chemical reported for AQUIRE is the formulation. If the exposure is based on two metal compounds but the effect is based on one ion, e.g., copper sulfate and copper chloride and Cu is the toxicant, code copper as the test chemical and report the two compounds in chemical characteristics.

For in situ exposures where the exposure is by default an exposure to a chemical mixture; code residue effects or endpoints (BCF) only. No other effects or endpoints are strictly attributable to a single chemical in the same way as a residue concentration.

Nutrients such as phosphorus, nitrogen, potassium are coded for AQUIRE if the exposure system is dosed rather than an ambient exposure. For example, code phosphorus as an exposure chemical if, in the given paper, all of the following are true:

- The phosphorus was added to the ecosystem in a direct discrete manner, i.e., code "nylon mesh bags of Ca(H2PO4)2 placed in streams at beginning of test", do not code "system may have received added phosphorus in overland runoff due to fertilizers used in nearby agricultural operations". Aerial applications are acceptable if the other conditions are met.
- The concentration in the water should be measured, or at a minimum, the application rate should be available. Application rate may be calculated using the flow volume and the phosphorus-containing compound's dissolution rate.
- The effects of the phosphorus are tested on a biological test organism; water quality or chemical-fate only papers are not coded.

Chemical Name (Test)

Record the chemical name as it is reported in the publication; however, long chemical formulas or names need not be coded if a common name is provided. For common names, record common name in both the Chemical Name field and the Chemical Characteristics field; when the CAS number is entered into the system the 9CI Preferred Name will be assigned automatically. The Chemical Name field on the coding sheet is used for the convenience of the encoder in assigning the CAS number. If several names (e.g., trade names, synonyms) are used, note the other names and formula in parenthesis after the recorded chemical name.

The CAS number is assigned by locating the chemical name in the chemical card file. If the chemical name is not in the chemical card file, write "No" near the CAS # field to clearly identify that verification is needed. The coding sheet will be referred to ECOTOX staff for CAS number verification as part of the quality assurance process.

Chemical Grade (Grade)

Record relevant chemical grade information (refer to Appendix B1).

Chemical Characteristics (Characteristics)

Record relevant and specific chemical information, such as trade names, common names, isomers, percent purity or active ingredient (refer to Appendix B2). There are times when you will record the chemical name in both the Chemical Name field and the Chemical Characteristics field. This occurs most frequently for pesticides where the common or trade name is very simple while the chemical nomenclature is very complex. The purpose, during reviewing, for the name in Chemical Name field is to assist the reviewer in assigning a CAS number; during data entry the name is replaced by a stored 9CI Preferred Name. The common name coded in Chemical Characteristics remains available for user access.

Radiolabel

If a radiolabeled chemical is tested, record the isotope, according to the Appendix C codes, in the radiolabel field. When the specific isotope is not reported, the field should be coded with a slash ("/") and noted in the Remark field (RADIO/no isotope reported//). When both radiolabeled and unlabeled test chemicals are used in a test, report the radiolabel isotope and code "labeled and unlabeled" in chemical characteristics.

Chemical Abstracts Services Registry Number (CAS #)

A standardized identification number and name for each chemical recorded in the database

is used for consistency. Toxicants included in the AQUIRE database are assigned a CAS registry number and are referred to by the Ninth Collective Index (9CI) standard nomenclature. The CAS number and 9CI name are stored in a chemical card file and in an online index file (CHEMNAME) which is available electronically for screening CAS numbers and chemical names used in AQUIRE. Chemical name synonyms are not stored electronically, but are only available from the chemical card file.

Solvent Chemical (S/V)

If a carrier or solvent is used, the name of the chemical is reported. If a solvent carrier is used in the test, the solvent chemical fields are coded with the chemical name, grade, purity, concentration (in <u>Chemical Characteristics</u>) and CAS number. The CAS numbers for common carriers are listed in Appendix D.

Occasionally two separate carriers or solvents are used. If the publication reports the ratio, include this information in the Characteristics field. If the carrier or solvent is for different chemicals but the use is not specifically described in the publication, code "as needed" in the Characteristics field.

If a carrier was not used, report as NR. Buffers used to control the pH of the test are not coded. Dietary feed content is not coded.

Other Chemicals (OTHER CHEM)

Chemicals or groups of chemicals that were tested jointly with the test chemical are reported in this field. Chemical symbol, formula or common chemical name acronym are acceptable text formats; separate each chemical name, symbol, or formula by commas. Additionally, code in the Other Effect field as "mixture".

Other Chem: Cu, Hg, Endosulfan, TBT//

Other Efct: mixture//

Additional chemicals reported in the publication but for which you are unable to code data, e.g., effluents or chemicals which do not have CAS #s, are noted in Other Effects rather than in Other Chemicals.

3. Test Organism Parameters

Species

Each test organism is identified by the current Latin name as verified in the taxonomic literature. For each species entry, the verified name, taxonomic code, nomenclature history, and verification sources are kept on file for quality assurance documentation purposes. A unique number is assigned to each ECOTOX species to aid in storage and retreival. The species number may be located via two separate online files (SLATIN for Latin names and SCOMMON for common names). A hard copy of the SLATIN file is available from the species verification staff. Refer to Section 7. SPECIES PROCEDURES for additional information about the species data file and verification procedures.

Field studies may report results for a target community (e.g. benthic macroinvertebrates) or for an entire enclosed ecosystem (e.g. system-level primary productivity or respiration). If a community of organisms was tested, be as specific as the author is about the species grouping. Family and order names may be located from SLATIN and SCOMMON as

described above.

If the species name reported in the publication is a synonym of a verified species, record the name from the publication, draw a line through it and record the verified species name along with the species number. If the species is not on the verified name list, write "No" near the Latin name to clearly identify that verification is needed. The coding sheet will be referred to ECOTOX staff for species verification as part of the quality assurance process

Organism Characteristics

Report any general information provided about the test organism. Organism characteristics include information such as age, weight, length, developmental stage, sex, type of culture (eg., axenic) and/or initial cell concentration (e.g. 1 E + 3 cells/ml or expo gro phase or log gro phase) to describe the organism being tested. The value and range, if reported, are recorded for each available parameter (e.g. 3 (2-4) g). Record strains, hybrids or taxonomic groupings, if reported. List individual species latin names when 3 or fewer species are included within a grouping; when more than 3 individual species are included within a grouping, code as "# species".

Species = Plankton (#706) Org Characteristics = Daphnia magna, Daphnia pulex, and Bosmina sp Org Characteristics = 4 zooplankton species

Standard terms used for recording organism length include standard length (SL), (e.g. 3.1 cm SL), total length (TL), fork length (FL), carapace length (CL) and carapace width (CW).

Tests in which eggs are initially exposed, and the exposure continues through adulthood to the first generation, are represented as "egg - adult" or "egg-F1 generation" and effects on the offspring generation (F1) are recorded.

If the paper states that the organisms tested are both male and female, this characteristic does **not** go into the <u>Organism Characteristics</u> field, because a sample assumes both sexes. However, if only one sex is tested, then the sex is coded using the terms "male" or "female".

Control (Cntl)

The type of test control(s) used in the study is reported in this field. Control information for the reported effect may be presented in the text, in a graph, or in table format. AQUIRE reviewers do not make assessments whether the controls were satisfactory or insufficient (e.g., were replicates run, did control organisms die), but simply document whether the author(s) present information that a control was used. When author's state that controls were similar to treatment with the exception that no chemical was added, within the same paragraph that they describe using solvent in all treatments, a solvent control should be interpretted. [11/17] Refer to Appendix E for control type codes and definitions.

4. Test Condition Parameters

Test Media (FW, SW)

Freshwater (FW) tests include 1) laboratory tests conducted in freshwater, reconstituted water, distilled water, or tap water or 2) field tests where the habitat is exclusively freshwater. If a salinity value of <4 ppTh is reported and the paper does not specify whether it is fresh or saltwater, it will be coded as a freshwater test.

Saltwater (SW) tests include 1) laboratory tests conducted in natural or artificial seawater, brackish water, or estuarine water or 2) field tests where the habitat is exclusively saline.

If a determination cannot be made regarding the use of either freshwater or saltwater, an NR (not reported) is recorded.

Test Location (Lab, NR, FieldN, FieldA, FieldU)

Report the location or setting in which the experiment was conducted (see Appendix F).

For example, a natural field study (FieldN) is an experiment conducted outdoors in a natural setting in which the test organisms are confined via an enclosure of some type (cage, fencing, plot lines) or sampled in the wild. An important component for classification as natural is that the setting includes a bottom substrate as well as a community of representative organisms. Outdoor studies conducted in a simulated environment are coded as an artificial field study (Field A) study. Such studies include organisms isolated from their natural environment while still out of doors, e.g. earthen or concrete ponds without sediment or with only one representative species.

Laboratory tests are conducted under indoor controlled laboratory conditions. If the location or setting cannot be determined from the publication code as Not Reported (NR). For AQUIRE, field (natural and artificial) tests are coded on the AQUIRE Field Coding Sheet; all other studies are coded on the AQUIRE Lab Coding Sheet.

Study Type

For laboratory exposures, the study type is used to identify field simulation studies. For example, indoor mesocosm or microcosm studies should be noted as such in the Study Type field. For field exposures (FIELDN, FIELDA, FIELDU) record the study type as reported by the author. Examples of field study types include, but are not limited to, exposures with caged organisms or conducted in a mesocosm, microcosm or enclosure. If information about the study type is not reported, leave this field blank.

Experimental Design

This field is used to code additional study information. For field tests, report exposure system dimensions (e.g. pond or lake depth, cage or enclosure size), type of artificial substrate and physical or chemical water chemistry parameters.

Exp Design: 3 ha polyethylene lined pond//
Exp Design: 4 x 4 m cage//
Exp Design: bumic acid//
Exp Design: Instant Ocean®//
Exp Design: Sinking Cr water//

For laboratory studies, information about media and test chambers is coded if one of the purposes of the study is to compare results observed under differing test conditions (e.g., pH, temp, humic acid, sediment) or if commercial media types (e.g. Instant Ocean®) were used in the study. If one of the purposes of the study is to compare experimental effects (pH, temp, sex) in addition to toxicant effects, report the additional effects in the Other Effects field, e.g. Oth Effect: pH efct//.

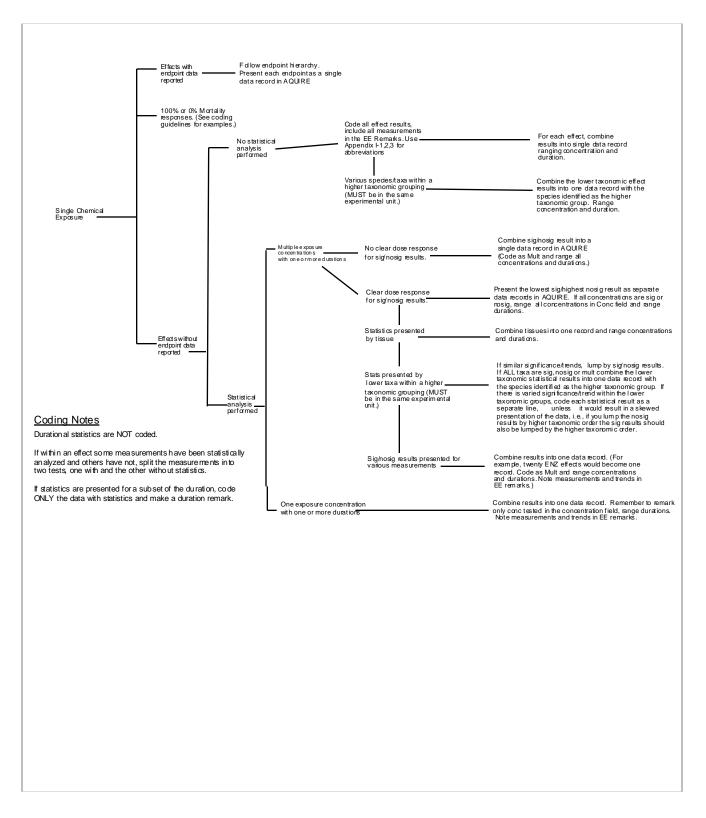
Information about the dilution water is provided if needed to distinguish one test scenario from another, e.g. natural waters from three different ponds, sites on a river, locations in a sea. Tests with differing dilution water are coded as separate lines of data; it is not

acceptable to combine tests by effect or water chemistry variables across differing dilution water test scenarios.

When coding field exposure publications, additional related coding parameters include <u>Study Type</u>, <u>Habitat Code</u>, and <u>Substrate</u> field description; refer to these descriptions while coding <u>Experimental Design</u> parameters.

5. Test Result Parameters

Toxicity test results for the AQUIRE database are represented by a combination of the Endpoint, Trend, Effect, Tissue, EE_Remark, Efct%, Signif, Level, Concentration and BCF fields. Toxicity test results for AQUIRE are primarily reported for observations taken during the chemical exposure; however, when results are reported *only* for the period of time after the exposure, ie. recovery or delayed effects, this type of result is noted by using a "~" in conjunction with the endpoint/effect code, e.g. ~MOR for a delayed mortality effect.



A separate line is coded for each effect or endpoint from either a unique experimental design or within one design scenario for statistically defined effects or endpoints. If no statistics are used to distinguish endpoints or effects and experimental designs are similar the data may be combined into one data record. Endpoints always require a discrete line; effects may be combined based on statistical representation, or lack thereof, by the author. Food chain effects or endpoints are coded for organisms at the first level of exposure. Subsequent levels

of exposure are not coded, but are noted in the <u>Other Effects</u> field, e.g. Oth Effects/food chain study//. See <u>Combining Effects</u> and <u>Statistics</u> sections for further description and examples.

The following sections provide a brief description for each of these fields, followed by guidance for coding information from the publication for each of the fields.

Endpoint (Endpt)

For the purposes of AQUIRE, an endpoint is the quantification of an observed effect obtained through statistics or other means of calculation for the express purpose of comparing equivalent effects (e.g., LC50). Appendix G identifies and defines the AQUIRE endpoint codes. The endpoint field will be coded as NR if the author does not report or define an endpoint or there is no companion data point.

Endpoint information is coded into AQUIRE if it is reported by the author, if the author's definition of the effect is equal to AQUIRE endpoint definitions, or if the data point is a companion endpoint to a LOEC, NOEC and/or MATC. "Companion endpoints" are endpoints assigned by the reviewer when the statistical results follow a clear concentration-response pattern and the author reports a NOEC, LOEC or MATC but fails to report the "companion endpoint". For example, when an author reports a NOEC and does not specifically define the lowest statistically significant effective concentration as a "LOEC", the data point is coded as a LOEC in AQUIRE by the reviewer. Similarly for reported LOECs without NOECs, NOEC/LOECs without MATCs and MATCs without NOEC/LOECs.

On occasion, authors will report LC50 information in the methods section of their publication, without reporting any accompanying test procedure information. Such information is coded. However, it is important to verify that the authors have not published the data in another publication. For verification, ECOTOX staff may check for duplicate data publication within our database files.

If replicate tests resulting in a number of endpoints, (e.g. LC50s), are conducted, each LC50 must be reported on an independent line, even though the chemical, species, duration and effect are the same.

If a data set is evaluated using more than one statistical analysis all resulting endpoints are coded on separate lines (e.g. 2 LC50s for same data using probit and Spearman-Karber will be coded as two separate data lines; report statistical method in EE_Remark). Additionally, note "statistical comparison" in the Other Effects field (see Other Effects section for more information).

ENDPOINT HIERARCHY

The following hierarchy defines the priority for including endpoint information in the AQUIRE database. The endpoints listed in category "A" are the highest priority, based on conformance with standard toxicity endpoints, and should be coded if reported in the publication. If the endpoints identified in subsequent categories (F) are also listed in the publication, these endpoints are not coded but are noted in the Other Effects field. If there are no endpoints from category "A" in the publication, then endpoints from category "B", if available, are coded and so on.

Following the endpoint hierarchy, the next two sections define and describe the coding of

trends and effects. Trend information is coded, when available for endpoints as well as effects. Regardless of whether endpoint data is available, any reported effect information is coded.

A The endpoint is an LC50, LD50, LETC, EC50, IC50, NOEC, LOEC, MATC or BCF (BCFD), or its definition, as reported by the author. For example, if the author does not actually state that the value is an LD50 but states that "concentration x is the dose estimated to be lethal to 50% of the test organisms", the reviewer should code this as an LD50 endpoint because the author *defines* the LD50. All individual endpoints are coded.

The AQUIRE database recognizes and codes "companion endpoints"; for AQUIRE such endpoints are defined as statistically significant endpoints that neighbor an author-defined NOEC or LOEC.

When a publication reports a LOEC and NOEC for a non-monitonical response pattern (i.e., lower concentration significant and at least one higher concentration not significant); code the LOEC/NOEC reported by the authors, but note <u>Trend</u> as 'CHG' and code <u>Signif</u> as MULT to flag non-standard results.

In the AQUIRE database, the occurrence of no mortality (0%) or complete mortality (100%) is treated as an endpoint. The endpoints NR-LETH and NR-ZERO will always be coded for mortality effects of 100% mortality and 0% mortality, respectively. If for a laboratory test exposure the authors report "all fish died", code as NR-LETH and 100% mortality; however, for a field exposure, unless conducted in an enclosure of some type, it is difficult to assume that truly 100% of the fish are known to be dead, therefore the field exposure report of "all fish died" is coded as MOR, INC and EFCT % is not coded.

The 100% mortality data point at the lowest concentration/ shortest duration is coded. Similarly, the 0% mortality data point at the highest concentration/ longest duration is coded. In contrast to other endpoints, the additional mortality effects are coded along with the NR-LETH and NR-ZERO endpoint data. For example:

Mortality Table 1

<u>∎g</u> /L	24 H	48 H	72 H	96 H
1	0	0	0	0 NR-ZERO
2	5	17	30	35
3	25	40	65	90
4	100 NR-LETH	100	100	100

A) LC50s reported in publication, code

LC50s as reported NR-LETH: 4 µg/L at 24 hr NR-ZERO: 1 µg/L at 96 hr

B) LC50s not reported in publication, code

NR-LETH: 4 µg/L at 24 hr NR-ZERO: 1 µg/L at 96 hr MOR: 2-3 µg/L at 24-96 hr

Mortality Table 2

<u>"</u> g/L	24 H	48 H	72 H	96 H
1	0	0	0 NR-ZERO	11
2	20	25	38	72
3	45	60	67	90
4	90	100 NR-LETH	100	100

A) LC50s reported in publication, code

LC50's as reported

NR-LETH: 4 µg/L at 48 hr NR-ZERO: 1 µg/L at 72 hr

B) LC50s not reported in publication, code

NR-LETH: 4 µg/L at 48 hr NR-ZERO: 1 µg/L at 72 hr

MOR 1-4 µg/L at 24-96 hr EFCT%: 0-100

Mortality Table 3

<u>.</u> Lg/L	24 H	48 H	72 H	96 H
1	0 START RANGE	0	7	13
2	0	28	45	60
3	38	44	67	100
4	38	60	100	100 END RANGE

A) LC50s reported in publication, code

LC50's as reported

B) LC50s not reported in publication, code

MOR 1-4 _g/L at 24-96 hr EFCT% 0-100

Mortality Table 4

⊾g/L	24 H	48 H	72 H	96 H
1	0 START RANGE	0	0	0
2	0	0	7	13
3	0	28	45	60
4	38	44	67	100
5	38	60	100	100
6	100	100	100	100 END RANGE

A) LC50s reported in publication, code

LC50's as reported MOR 1-6 <u>rg/l</u> at 24-96 h, EFCT% 0-100

B) LC50s not reported in publication, code

MOR 1-6 **_g**/l at 24-96 h, EFCT% 0-100

Note: The term "nil" is defined as "naught or nothing", therefore, when used by an author, it will be assumed to mean 0% mortality.

- B The endpoint is an author reported TLM, TL50, chronic value (ChV) or any terms with equivalent definitions that define endpoints such as those listed in Appendix G. The equivalent AQUIRE endpoint is coded in the endpoint field.
- C The endpoint is LCxx, LDxx, ECxx, ICxx (other than 50% value). The endpoint is coded only if the endpoints listed in A or B are not abstracted from the publication.
- D The endpoint is LT50, ET50. The endpoint is coded only if the endpoints listed in A and B and C are not abstracted from the publication.
- E The endpoint is LTxx, ETxx. The endpoint is coded only if the endpoints listed in A, B, C and D are not abstracted from the publication.
- The endpoint is a delayed exposure effect (~xxx). The delayed effect endpoint is coded if no similar exposure endpoint above has been coded. A specific exception is gut clearance prior to tissue analysis; e.g., "after the exposure the organisms were placed in clean water for 10 hours to allow the organism to clear the stomach contents". This type of clearance is distinguished from depuration and is not coded as a delayed effect. See **NOTE**: on page 4.C-10 and Appendix I for examples.

Trend

The observed or measured response trend as compared to the control is coded when reported or graphically displayed. When statistical comparisons are presented for multiple controls (e.g., statistics in relation to a standard control and statistics in relation to a solvent control), note the appropriate control in EE_Remark.

The trend for BCF, LCxx, LTxx is coded as "inc", except for the effect SVC (shell valve closure) which is coded as "dec". The trend for ECxx, NOEC, LOEC and MATC will be either "inc", "dec", "chg" or NR depending on the results of the test. The trend is noted as a two or three letter code:

CODE: TREND:

INC increase DEC decrease

NEF no observed effect; e.g., when coding NR-ZERO the trend is NEF

CHG no clear trend, results are variable (e.g. any combination of above trends listed)

NR no trend reported or if no control response is reported then the trend is not able to be

identified

EXAMPLE: When a clear response, or lack thereof, is observed within an effect, it is coded as either INC, DEC, or NEF. The measurement used to evaluate the effect is reported in <u>EE-Remark</u>, for example:

EFCT: GRO TREND: INC EE_Remark: length//

When lumping data or when multiple trends are reported, code CHG in the trend field and report the individual trends in EE_Remark as in the following example:

EFCT: ENZ TREND: CHG EE Remark inc ATPase, dec malic dehydrogenase,

NEF succinate dehydrogenase

Effect

For AQUIRE database purposes, a toxicological effect is the observation or measurement of a response resulting from the action of a chemical stressor (e.g., mortality). The AQUIRE database internally categorizes all observed effects under at least one of eight major effect group codes (behavior, bioconcentration, ecosystem, growth/development, lethal, physiological/biological, population community, and reproduction). Appendix H identifies the three letter AQUIRE effect codes, major effect group and associated AQUIRE records. Appendix I describes the major groups and associated effect definitions for each three letter code. The major effect groups are not used by reviewers; their purpose is to provide database users the capability to search on broad groups of effects without specifying each individual effect. See Section 8. Scientific Outreach Support for additional user support information.

The reported effect is interpreted to conform to the AQUIRE defined effects. If the effect is on the list of AQUIRE effects, use the AQUIRE effect code (Appendix I). If the author's effect is not in Appendix I, but is similar to one already defined use the AQUIRE code which matches the definition and note the author's effect term in the EE_Remark field. If the author's effect appears to be a new effect code, discuss and forward to EPA Data Manager for approval.

Listed at the end of Appendix I there are two special effect code conventions used in AQUIRE. The first is MUL, used only for <u>Endpoints</u> reported by the author as MULtiple effects, e.g. "mortality and growth". This code is used *only* when such effects cannot be separated into or reported as individual effects. The MUL code is rarely used and when used must be verified by one or more fully trained reviewers.

The second effect code convention is ~XXX to indicate that the result reported was observed after the exposure period ended, i.e., a delayed response. Within one publication, delayed response data is reported only if exposure period observations are not available for the same effect or endpoint. When delayed response data accompanies exposure period observations, the delayed response data is recorded in Other Effects as "recovery".

NOTE: A specific exception is gut clearance prior to tissue analysis; e.g., "after the exposure the organisms were placed in clean water for 10 hours to allow the organism to clear the stomach contents". This type of clearance is distinguished from depuration and is not coded as a delayed effect. See page Appendix I; RSD definition box for coding guidelines.

Combining Effect

Multiple test results from a single experiment for the same chemical, species, lifestage, duration, and effect may be combined into one test record if no statistics are presented, except when:

The effects within each group are statistically analyzed and differ from each other. Code each result as a separate line, unless by so doing the results are reported in a biased way, ie., giving more weight to the significant species and by grouping the non-significant ones the effect is blurred. In these cases, combine the results and code as MULT significance:

Species: Algae Org Charac: 3 orders Effect: ABD Trend: CHG Signif: MULT

Combining effect data is applicable only if distinguishing statistical analysis and/or endpoint information is not reported. For example, in a growth test if, for a given chemical, species and test duration, there are multiple lengths or weights reported for the test individuals, the data can be reported generally as a weight/length increase or decrease for the test species as a whole. However, if some of the weights or lengths reported are statistically significant from the control, this data must be reported individually.

For tests where only one exposure concentration is used and results are reported for multiple durations; the data may be combined over time. For example, results for a series of enzyme levels which vary in significance over time may be combined over the total range of the exposure duration.

When there are several measurements for one effect and statistics are presented, it may be appropriate to report the measurements as one effect. For example, ENZyme data may be reported as specific ECOD, EROD and UDP-GT measurements. Even though two or more of the measurements have varying statistical response they may be combined into one effect record.

Efct: ENZ Trend: CHG EE_Remark: inc ECOD, EROD, dec UDP-GT// Signif: MULT

Many publications which report field data or laboratory microcosm studies present results for multiple species/taxonomic groups. The lumping of results for species and taxonomic groups depends on whether statistics were applied to the data and whether a similar response is evident.

- If, within a higher taxonomic group (eg., Algae), individual effects for several lower taxonomic groups are also presented (eg., Bacillariophyta (diatoms), Chlorophycota (green algae), Pyrrophycophyta (dinoflagellates)) the data may be reported in a number of ways. Examples include:
- The effects within each group are statistically analyzed and are similar overall, ie., INCreasing, DECreasing or CHanGing. Combine the results and code as:

Species: Algae Org Charac: 3 orders Effect: ABD Trend: INC Signif: SIG

The effects within each group are statistically analyzed and differ from each other.

Code each result as a separate line:

Species: Bacillariophyta Effect: ABD Trend: INC Signif: SIG Species: Chlorophycota Effect: ABD Trend: DEC Signif: SIG

 If no statistical analysis has been reported, the results from the lower taxonomic groups can be lumped into a single record representing the next highest representative taxonomic group.

Species: Algae Org Charac: 3 orders Effect: ABD Trend: CHG Signif: NR

EFFECT HIERARCHY

- A. If the author has defined an Endpoint for an effect, report the Endpoint as outlined in the preceding ENDPOINT HIERARCHY.
- B. When only effects are reported in the publication, no endpoints, code the concurrent effects (results reported concurrent with exposure to chemical) according to the abbreviations in Appendix I. Code NR (not reported) in the Endpoint field.
 - i. If statistics are presented in a clear dose response, code the lowest significant effect and the highest nosig levels and appropriate p-values.
 - ii. If statistics are presented and there is no clear dose response, code as a MULT and the appropriate value.
 - iii. If no statistics are used, or reported, lump the effect data by coding a range for concentration and duration. Report as NR in the Statistics and Level fields.
- C. When the only effects that are reported are those subsequent to exposure, report these as delayed effects, noted with a ~ preceding the three-letter effect code, e.g. ~MOR. Follow the procedures outlined in Steps B i, ii, iii for reporting delayed effects.

Tissue

A tissue code is used to identify specific organ and tissue effect sites for residue, biochemical and/or physiological effect measurements. For example, tissue sites are used for BCF/RSD, BIO, CEL, HIS, PHY, GRO, and SMI effects and associated endpoints. The two letter tissue codes are listed in Appendix J.

Combining Tissue

If residues for a number of tissues are presented along with statistical results, and a clear dose-response is apparent, report results for each tissue separately. Results for a single effect with statistical results broken out by tissue type may be combined, but should be combined based on effect and statistical results. If statistics are not presented, combine the results into one data record.

When the residue measured in one organ or tissue is further analyzed to indicate concentrations in cells or cellular fractions, a comment is placed in the <u>Remark</u> field (e.g., TISSUE/subcellular fraction// or TISSUE/subcellular distribution//).

If the MT code is used, the individual tissues/organs are coded in the Remark field (e.g., TISSUE/LI,KI,GI//). If the tissue does not have a tissue code, write out the tissue name and include a note with the coding sheet requesting a new tissue code be added. When tissue is not reported, the tissue code field is coded as NR. If whole organism and multiple tissues are listed, code "MT" in tissue field and code WO and additional specific tissue codes in the Remark field (e.g. TISSUE/WO, LI, GI, HE//).

EE Remark

This field contains additional endpoint and/or effect text, as described by the author. The types of information coded include:

EXAMPLE 1: The endpoint terminology used by the author when an AQUIRE-defined endpoint was coded rather than the author's term. For example,

Endpoint: LC50EE_Remark: TLM or Median Period of Survival//

EXAMPLE 2: When the coded effect is broad, e.g. BIO, but the publication provides specific effect information, such information is reported in EE_Remark:

Effect: BIO EE_Remark: protein, lipid, carbohydrate//

If there are no remarks pertaining to either the endpoint or the effect, the field is left blank.

Effect Percent (EFCT %)

This field is used when the effect is reported as a percent change, e.g. percent of the total population or percent increase or decrease.

If the author reports the number dead (i.e., "5 of 20") do not recalculate as a percent.

EXAMPLE 1: "80% mortality" Efct: MOR Efct %: 80 Measurement: MORT

EXAMPLE 2: "25% survival" Efct: MOR Efct %: 25 Measurement: SURV

EXAMPLE 3: "5 of 20 died" Efct: MOR Trend: INC

EXAMPLE 4: "45% inc ATPase activity "Efct: ENZ Trend: INC Efct%: 45 Measurement: ATPA

If the percent effect is coded from a graph, code the percent values using a qualifier, ie. <, >, or ~, using only the graphical intervals reported on the graph. Place a slash in the field and code Efct%/from graph// in the Remarks. If the percent effect is graphed and is not clear enough to extrapolate,code "graphed" in Efct % field.

If the effect percent is not reported, the field is coded as NR.

If the percent effect is presented as "xx% of the control", place a "/" in the Efct % field and code: EFCT %/xx% of control// in the Remark field.

Combining Effect Percent

When data for an effect are combined because a statistical analysis was not applied and/or a clear dose response was not observed, and several percent effect values are presented, there are two different ways to report data.

1. If the author reports the effect measurement on a single parameter, the effect percent is reported as a range.

EXAMPLE 2: 20-30% dec O₂ consumption Efct: OXC Trend: DECEct%: 20-30

2. If the effect measurement on two or more parameters is combined for coding and as a result the trend reflects more than one direction, eg., encompasses both increase and decrease, the effect percentages are coded as "COM" (combination). COM is used in limited circumstances when it is not possible to report the individual percent values.

EXAMPLE: 20-50% dec glycogen, 70-80% inc protein

Efct: BIO Trend: CHG Efct%: COM EE-Remark dec glycogen, inc protein

Statistical Significance (SIGNIF)

The statistical significance field is coded when the author has presented statistical analysis as compared to the controls in the test result. If statistics are presented in the publication, unless the authors state otherwise, assume that the exposure treatments were compared to the controls.

When statistical comparisons are presented for multiple controls (e.g., statistics in relation to a standard control and statistics in relation to a solvent control), both sets of results are coded. In these instances, note the specific type of control used in the statistical analysis in the EE_Remark section.

Signif is coded as "NA" for records having an endpoint of MATC, LCxx, ECxx, LTxx, BCF, ETxx, ICxx, LDxx, LETC, BCFD. For NOEC, LOEC and effects without endpoints, code significance as author reports, or NR.

When a publication reports a LOEC and NOEC for a non-monitonical response pattern (i.e., lower concentration significant and at least one higher concentration not significant); code the LOEC/NOEC reported by the authors, but note <u>Trend</u> as 'CHG' and code <u>Signif</u> as MULT to flag non-standard results.

The reviewer interprets hypotheses tests to determine a dose response endpoint. A significant clear dose result is coded as SIG; no significant dose result is coded as NOSIG. Only the highest NOSIG and the lowest SIG concentration is reported; unless all concentrations are SIG or all concentrations are NOSIG. In this instance, code all the concentrations as a range. If the significance level is reported, it is coded in the <u>Level</u> field described below.

In cases where the author reports only a SIG or NOSIG, code the companion data point. For example, if a stat sig "growth" is reported in the text and in the table sig is noted the reviewer

should pick the nosig level and report this also.

If the author states that there is a statistically significant increase or decrease in an observed effect, whether or not they report the statistical method used, but does not report a significance level, code SIG or NOSIG and NR in level field.

If the author states there is a significant increase or decrease in an observed effect but does not say it is "statistically significant," code NR in <u>Significant</u> field.

- When the highest concentration and all low er concentrations tested show no significant response, code NOSIG and range all concentrations in CONC field.
- When the low est concentration and all higher concentrations tested show a significant response, code SIG and range all concentrations in CONC field.
- If only one concentration is tested and statistics are performed, code SIG or NOSIG in stats and "only conc tested" as a CONC remark.

Combining of Statistics

If there is no clear dose response on a single parameter effect interpreted by the reviewer when statistics are reported, it is coded as multiple significance (MULT).

EXAMPLE: Five concentrations are tested and the two highest and two low est show significance but the middle concentration does not, code MULT.

EXAMPLE: If an effect has multiple parameters, some parameters are significant, others are not significant, code MULT and identify parameters in <u>EE_Remark</u>.

EXAMPLE: Change in ion concentration in the blood. Chlorine and calcium are significant and sodium is not significant. Code Signif field as MULT.

EXAMPLE: A publication reports a LOEC and NOEC for a non-monitonical response pattern (i.e., low er concentration significant and at least one higher concentration not significant); code the LOEC/NOEC reported by the authors, note <u>Trend</u> as 'CHG', and code <u>Signif</u> as MULT to flag non-standard results.

Note: The MULT code is not used to represent a combination of data which has been statistically analyzed with data that has not been analyzed. Code the statistical data over the non-statistically analysed data. For example, in an instance where the exposure duration is 5 days, and the statistical results presented are for 4 days; code the statistical results, note the duration as 4 days, place a slash in the duration field, and enter the exposure duration (5 days) in the Remark field.

Significance Level (LEVEL)

The level of significance (e.g. test statistic) is coded when the author has reported statistical analysis in the test result. The terminology for significance level may be presented as: p =; por alpha value; μ^2 ; for t-test; % level. The terminology are equivalent and are generally in the range of p = 0.10 to p = 0.001.

Level is coded as "NA" for records having an endpoint of MATC, LCxx, ECxx, LTxx, BCF, ETxx, ICxx, LDxx, LETC, BCFD. However, when the confidence level is other than 95%, the level is coded as reported.

Combining of Level

When a range of concentrations is coded, and there are multiple levels of significance reported, range the values.

EXAMPLE: At all concentrations (10-50 ug/L) growth was significantly affected. At 10 ug/L the p value was p<0.05, at 50 ug/L the p value was p<0.001.

CONC: 10-50 SIGNIFY: SIG LEVEL: P<0.05 - <0.001

Other Effects (Other Efct)

Comments regarding other toxicity tests or effects reported in the publication that do not meet AQUIRE minimal requirements for coding are coded in this field. A keyword list (Appendix K) for common terms is used as a guideline to assist the reviewer. The effect or endpoint codes are used when appropriate. The reviewer should maintain a list of new keywords and periodically submit this list to the EPA Database Manager. Commas separate each distinct term and the text ends with a double slash (//).

Other Efct: uptake, LC50 graphed// Other Efct: toxicity symptoms, diet exp//

Other Efct: mixture, effluent//

If other chemicals are tested as a mixture with the test chemical, ie., there is an entry in Other Chemicals, the keyword "mixture" is coded in the Other Effects field.

When water chemistry effects (temperature, salinity, pH) are tested in conjunction with chemical toxicity, a Remark is coded in <u>Other Effects</u> to reflect this type of interaction.

Other Efct: salinity effects//

Test Result Examples

 If the author has defined an ENDPOINT and/or has reported a 0% and/or 100% mortality response, report the endpoint/mortality as outlined in the Endpoint Hierarchy. Select the appropriate effect as described below.

ENDPOINT REPORTED (NR-ZERO):

ENDPOINT: NR-ZERO SIGNIF: NR TREND: NEF EFFECT: MOR EFCT%: 0 LEVEL: NR

If applicable, statistical results should appear in the SIGNIF field, the level of significance should be reported in the LEVEL field, the percent effect should be presented in the EFCT% field, and the trend should be reported in the TREND field.

ENDPOINT REPORTED (LOEC):

ENDPOINT: LOEC SIGNIF: SIG TREND: DEC EFFECT: GRO EFCT%: 20 LEVEL: a<0.05

Note: For NOEC endpoints, NOSIG is coded in the SIGNIF field. For LOEC endpoints, SIG is coded in the

SIGNIF field.

2. If the author-reported effect is a clear dose response result using statistical analysis, and the author does not identify an endpoint, select the appropriate effect from Appendix I.

Clear dose response data where a statistically significant effect was observed, are represented by two data records. One data record represents the lowest concentration at which a statistically significant effect occurred. "SIG" is coded in the SIGNIF field, the observed trend is coded in the Trend field, the percent effect is coded in the EFCT% field, and the level of significance is reported in the Level field. Remarks on the effect are made in the EE_Remark field.

CLEAR DOSE RESPONSE:

ENDPOINT: NR SIGNIF: SIG TREND: DEC EFFECT: GRO EFCT%: 20 LEVEL: a<0.05

EE_REMARK: total length//

The second data record represents the highest concentration at which no effect occurred. NOSIG is coded in the <u>Signif</u> field. If a percent effect is reported it is presented in the EFCT% field.

If the concentration identified as SIG is the lowest concentration reported or the concentration identified as NOSIG is the highest concentration reported, report the range of concentrations and the appropriate code in the <u>Signif</u> field.

If only one concentration is tested, code the SIGNIF field appropriately and note "only conc tested" as the concentration (CONC) remark in the Remark field.

3. If the author reported effect shows <u>unclear dose response</u> results, using statistical analysis, select the appropriate effect from Appendix I.

When data have been statistically analyzed, and the results presented have significant effects in an unclear dose response pattern (e.g., significant effects at the high and low concentrations, and not significant at the middle concentration), "MULT" is coded in the Signif field to signify multiple significance. The level is coded with a full range of p-values (e.g. p<0.05-0.001).

UNCLEAR DOSE RESPONSE:

ENDPOINT: NR SIGNIF: MULT TREND: CHG

EFFECT: ENZ EFCT%: COM LEVEL: P<0.05-0.001

EE_REMARK:inc ACHE, dec MAD//

4. If the author reports a descriptive or qualitative effect without statistical analysis, select the most appropriate effect from Appendix I. One record is coded with a full range of exposure concentration and time. The appropriate trend is coded in the TREND field. The percent effect over the concentration tested is reported in the EFCT% field. NR is

coded in SIGNIF and LEVEL fields.

NO STATISTICAL ANALYSIS:

ENDPOINT: NR SIGNIF: NR TREND: INC EFFECT: HIS EFCT%: NR LEVEL: NR

EE_REMARK: lesions//

6. Concentration Parameters

Concentration Type (CONC TYPE)

The three forms of toxicants evaluated in AQUIRE are organic compounds, metals and inorganic non-metals. Each form can be identified as a concentration type code using the single letter abbreviation.

Organic compounds are defined by the pesticidal terms, formulation (F) and active ingredient (A). Publications that do not specify the compound by the definition criteria for active ingredients are by default coded in the formulation (F) category.

Metals are defined by the concentration types, total (T), dissolved (D), and labile/free (L); while ammonia or hydrogen sulfide compounds may have total concentrations (T) and/or unionized (U) concentrations.

Organometals are coded as total (T) concentrations. If two representations of a metal or inorganic non-metal concentration are reported in the reference, both concentrations are included in AQUIRE; i.e, both total and un-ionized concentrations are reported in the concentration field. If the author reports the ammonia concentrations as based on NH₄-N or NH₃-N, code CONC TYPE as "T" and "U", respectively. Code the specific ion information in the REMARK section; eg., CONC/as NH4-N//.

For publications where all three metal types, T, D and L, are reported code T and D as one entry and the L concentration is coded as a separate line. (At some future point when new software is developed, all three concentration types will be associated with one record).

Concentration is also linked to the <u>Chemical Analysis Method</u> (METHOD) field. If measured and nominal concentrations are reported in a publication, report the measured concentrations.

Concentration Types and Definitions

Organic:

FORMULATION (**F**): Way in which basic pesticide (toxicant) is prepared for practical use (Ware, 1978). Generally reserved for commercial preparation prior to actual use and does not include the final dilution (Insect-Pest Management and Control, 1971) (e.g.; Baythroid, 2,4-D). Also included in this category are organic compounds with no pesticidal activity (e.g.; PCB, dioxin).

ACTIVE INGREDIENT (A): Chemical substance in a product that is responsible for the pesticidal (toxic) effect (Ware, 1978). Reported as "A" when the author refers to the concentration as active ingredient, active principle or various grades of reagents (ie., Analytical, Reagent or Technical). When coding, a value in the publication may be reported as "AI kg/ha" or "kg AI/ha"; in AQUIRE this type of value is reported as 'A =' for CONC TYPE, with units as kg/ha. For example, 100 kg AI/ha is reported as A = 100 kg/ha.

Note: Information reported in Chemical Characterisitcs does not necessaritly determein whether concentration is A or F. The author must state that concentration is "as Al". If chem charac is %Al and author reports M conc, then also A= okay? Or if M conc of pesticide is it always A=?

Metal/Organometals:

TOTAL (T): The concentration of metals determined on an unfiltered sample after vigorous digestion, or the sum of the concentrations of metals in both dissolved and suspended fractions (APHA et.al. 1992). Heavy metals and single elements (e.g. Na, Cl, Br) are coded as T.

DISSOLVED (**D**): Those constituents of an unacidified sample that pass through a 0.45 um membrane filter (e.g. soluble metal) (APHA et.al. 1992).

LABILE (L): The labile or free ion metal concentration determined by various analytical methods. When coding, the specific labile forms or complexes are not differentiated.

Inorganic non-metals:

Concentrations of ammonia and hydrogen sulfide are reported in the literature in either the total or unionized form. Code the form as specified by the author. Ammonia may be reported as a variety of different forms, eg., NH_3 , NH_4^+ , NH_3 -N, NH_4OH , or NH_4Cl . (US EPA 1979) The author must state whether the form is **T**otal or **U**nionized; **T** is the default for ammonia and hydrogen sulfide papers that do not state whether total or unionized concentrations are reported.

TOTAL (T): The dissociated, charged form of nitrogen or hydrogen related chemicals. This can take on numerous forms, e.g.; ammonium (NH⁺₄), nitrite (NO⁻₂), etc. (Rand and Petrocelli, 1985). T is the default for publications that do not state whether Total or Unionized concentrations are reported.

UN-IONIZED (**U**): The undissociated, uncharged form of ammonia or hydrogen sulfide. The ammonia molecule, NH $_3$, is the unionized form. (In aqueous solution, ammonia assumes an equilibrium between NH $_3$ and NH $_4$.) The NH $_3$ is the toxic entity of the ammonia compound (Rand and Petrocelli, 1985).

Effect Concentration (CONC)

The effect concentration is expressed in μ g/L. The confidence interval, fiducial limits, or range is recorded when available. The water concentration is coded in this field, except for diet studies, where the concentration in the food is coded. If a water concentration is also presented, code the concentration of the diet in the <u>Concentration</u> field. Code the exposure type D with a "/" and code TYPE/water conc rpt// in the Remark field.

Often the concentration is reported in a unit convertible to $\mu g/L$. Examples of such conversions are:

```
0.000001 g/L (ppt) = 0.001 mg/L (ppm) = 1 \mug/L (ppb) = 1000 ng/L (pptr) = 1000000 pg/L 
1 ng/L = 0.001 ug/L = 0.000001 mg/L 
1m3 = 1000 L 1cm3 = 0.001 L1 dm3 = 1 L 
g/m³= 1000 ug/L ug/dm³ = ug/L mmol/dm3 = mmol/L 
A ratio of 1:40,000 = 1/40000 x X/1000000 = 25,000 ppb = 25,000 ug/l
```

Occasionally an author will report a concentration as a % or fraction of an LC50 value; e.g., either the sublethal concentration used was "10% of the 96-h LC50" or "1/10, 1/15 and 1/20 of the LC50". Such concentrations may be recalculated and used as the effect concentration if the original LC50 concentration is provided in the publication. Flag the recalculation in the paper so that the calculation may be QA'd and document the recalculation in the margin or

on a blank page of the publication.

When concentrations are recalculated, include a comment in the Remark field (e.g., CONC/recalculated//). When the purpose of the recalculation is to standardize units, ie. mg/l to ug/l; flag the recalculation in the paper so that the calculation may be QAd. If the recalculation is more extensive, document the recalculation in the margin or on a blank page of the publication.

If the concentration is reported in units that cannot be readily converted into $\mu g/L$ (e.g., mg/kg or $\mu Ci/L$), the concentration value and its units are recorded as reported. Concentration units are listed in Appendix L.

When concentrations are taken from a graph, put a slash next to the concentration value and note in the Remark field: CONC/from graph//.

Concentrations based on the active ingredient or formulation, or as the total, un-ionized or dissolved concentration, are identified (see <u>Concentration Type</u>). Confidence intervals and concentration ranges are coded if the author reports the values.

In certain cases, the AQUIRE concentration is routinely reported as some form of the test chemical. For metal salts, the concentration is generally expressed as ug ion/L (e.g., Hg⁺).

An exponential number greater than +8 or smaller than -7 (e.g., 1 x 10⁸; often reported as 10⁸) is coded as E+n or E-n (e.g., 1 E+8). The concentration field is 10 characters long, therefore numbers less than or equal to +8 or -7 can be written out, eg. 10⁶ is reported as 1,000,000.

Concentration units are recalculated only if the denominator is not equal to one (e.g., 5ug/20g). Place a slash in the concentration field and note in the Remark field (e.g., CONC/recalculated//). Document the recalculation in the margin or on a blank page of the publication and mark with a colored flag to alert the QA staff.

When the concentration is reported as the metal (e.g., Sn), but the chemical tested is identified as an organometallic (tributyltin chloride ($C_{12}H_{27}CISn$), enter "T" in the Concentration Type, the concentration is reported in the Concentration field, and identify in the Remark field that the concentration is based on the metal component (e.g., CONC/as Sn//).

If a chemical concentration is reported in the control water, 'contaminated controls' should be noted in the <u>Exp Design</u> field. The concentration of chemical in the controls is not coded.

If in a **D**iet exposure, water concentration is also reported, a '/' is placed in the <u>Concentration</u> field with <u>CONC</u>/water conc rptd// in the <u>Remark</u> field.

For field data, the water concentration may be reported as NR, if the application rate is reported (see <u>Application Rate field</u>). However, the concentration type (F,A,T,D,L,U) must still be coded in this field along with NR.

Bioconcentration Value (BCF)

The bioconcentration factor (BCF) is a unitless value describing the degree to which a

chemical can be concentrated in the tissues of an organism in the aquatic environment. At apparent equilibrium during the uptake phase of a bioconcentration test, the BCF is the concentration of a chemical in one or more tissues of the aquatic organism divided by the average exposure concentration in the water. The unitless number is calculated by dividing the concentration of the exposure chemical found in the tissue by the concentration of the chemical found in the exposure water,

BCF = g/kg chemical in organism tissue g/L chemical in H₂O

or it is calculated from a ratio of rate constants, if at steady state,

BCF = K1 (uptake) K2 (elimination)

A bioconcentration endpoint is coded as either wet (or unknown) or as dry weight (BCF and BCFD, respectively). A residue (RSD) effect is coded and the associated BCF value is coded in the BCF field. If the author does not calculate a BCF, the test is recorded as a RSD effect with NR in the endpoint field, and NA in the BCF field.

If a BCF is reported for the parent compound and for a metabolite, record the parent compound BCF and note /metabolite BCF// in Other Effects.

If the BCF is at steady state or equilibrium, it is noted using the term "steady state" in the EE Remark field.

If the BCF is normalized for lipid, "lipid normalized" and the % lipid, if available, are reported in the EE Remark field.

EE_Remark: Steady State, lipid normalized 5% lipid//

If an author reports more than one type of BCF, ie. lipid normalized, regular, or radioactive equivalents, for the same data point; code lipid normalized over regular and regular over radioactive equivalents. The secondary analysis endpoint is reported in Other Effects.

Other Effects: radioactive equivalent BCF//

For papers that report BCFs and provide Lethal Body Burden information, note "Lethal Body Burden" in <u>Other Effects</u>. However, in a publication reporting only residue data as lethal body burdens code the effect as RSD and report "Lethal Body Burden" in <u>EE_Remarks</u>.

Exposure Type (TYPE)

Exposures must either be aqueous, through the diet, or by injection. *In vitro* toxicity test results are not coded in the AQUIRE database. If an exposure type is not clearly defined or is not reported, an NR exposure type is coded. Exposure Type codes are listed in Appendix M.

Chemical Analysis Method (METHOD)

This parameter identifies whether quantitative analyses of the toxicant concentration in the test water was conducted and whether measured concentrations were used to report the

results. This field represents/defines the concentration which was used in reporting the endpoint or effect; publications may report Measured and Unmeasured concentrations for one test scenario, use the code which represents whether the specific effect/endpoint concentration was measured or unmeasured. If both measured and unmeasured concentrations for the specific effect/endpoint are reported, record only the measured concentrations. [11/25] When chemical measurements are conducted on stock solutions, but nominal concentrations are reported for effects or endpoints, code as Unmeasured. When chemical measurements are conducted periodically throughout the exposure but the reported measurements are not correlated with the effects, code as Unmeasured. When chemical measurements are conducted periodically throughout the exposure and the effects are coordinated with the measurements, code as Measured. For non-English publications, code as Not Reported unless explicitly stated to be measured or unmeasured concentrations. Codes are presented below.

Measured: clearly states in the paper that the concentrations reported by the author

were measured

Unmeasured: author clearly identifies that the concentrations are based on nominal

values, or the author presents concentration information, but does not

report information that chemical analysis was conducted

Not Reported: author describes methods for analyzing chemical concentrations, but it is

not clear that the values presented are based on measured or nominal

concentrations

7. Test Duration Parameters

Exposure Time (TIME)

Exposure time is coded using the units reported in the literature. If exposure time is not reported, the publication is rejected (unless it is an abstract or is a non-English publication). Time information may be extracted from a figure. Average days to hatch or other developmental stage time is reported if the tests were conducted "until hatch" or "developmental stage conclusion".

For a fluctuating or intermittent dosing (P) experiment, the total test time is recorded with the exposure times and intervals between dosages reported in the exposure time REMARK field.

TIME/ 3 pulses of 45 mi each per 24 h//

When an exposure time is not directly linked to a response, the duration is reported as the full range of time, e.g. "during a 10 week period" is coded as "0-10 wk" or if the response is for a portion of the exposure time, ie., from day 2 through 10 wk, then code as 2-70 d.

For delayed effects, report the duration of exposure to the toxicant only. The observation time is not recorded.

Duration Unit Codes:

minute = mi day = d month = mo second = shour = h week = wk year = yr

8. Water Chemistry Parameters

The following water chemistry parameters are included in AQUIRE, and are coded in appropriate fields. These measured values pertain either to the test water chemistry or the dilution or culture water chemistry values. In the absence of test water chemistry parameters, it is acceptable to report the culture, holding tank, acclimation, control or dilution water, or pretest conditions denoted by an asterisk (*). Water chemistry parameters measured prior to or after the exposure period are coded only if test water chemistries are not reported in the publication.

When water chemistries differ between samples (e.g., test chamber or water body), and results are obtained from only some of the samples, water chemistries should be reported for only those samples actually tested.

If the parameter unit is a percent (%) include the percent sign in the appropriate field. When the author refers to the water chemistry values as approximate a "~" is coded in front of the value. Graphed data are coded as a range or as "less than" or "greater than" values and the term "graphed" is noted as a Remark, e.g. temp/graphed//.

If water chemistry values can be converted from non-standard units to standard units, recalculate, showing calculations in the original publication, slash the value, and remark /recalc//. See each water chemistry parameter for specific examples and conversions. If the water chemistry value is reported in a non-standard and non-convertible unit, the water chemistry field contains a "/" (slash) and the value and unit are reported in the Remark field.

Specific Parameters

Temp

Temperature is expressed in degrees Celsius (convert F to C). For converted values, code a slash in the field and remark, e.g., temp/recalc//. When temperatures are reported for incubation chambers or water baths, these temperatures are acceptable for reporting as test temperatures. Do not code temperatures noted as "room temperature".

Hard/Alk

Hardness and alkalinity are expressed as mg/L as CaCO₃. If the author only reports the terms "hard" or "soft," these terms are recorded. If the author reports a hardness or alkalinity value, but does not identify a unit and/or refers to the value as "total", standard units are assumed and the value is coded. If the hardness or alkalinity value is reported with units other than mg/l; code a slash in the field and put the full value and units in Remarks. For example, DO/ 2.7 dH// for values reported in German degrees of hardness.

DO

Dissolved oxygen is reported in mg/L or percent saturation. When coding % saturation values, the "%" sign is also coded in the data field. A "SAT" code is used for 100% saturation.

рΗ

pH is reported.

Salinity

Salinity is expressed in parts per thousand (ppt) or as percent seawater. When coding % values, the "%" sign is coded, along with the value, in

the data field. Practical salinity units (PSU) are "nearly identical" to parts per thousand (Pond and Pickard 1983) and will be coded as such for ECOTOX, ie. 34 PSU = 34 ppt. PSU is used for salinity values calculated from conductivity measurements recorded by submersible instruments (eg., CTDs, Seabird©).

Cond

Conductivity is customarily reported as μ mho/cm (= μ S/cm). In the International System of Units, the reciprocal of the ohm is the siemens (S) and conductivity is reported as millisiemens per centimeter (mS/m). (APHA et.al. 1992) If a publication reports conductivity as S; convert to ohms using the following conversions:

1 mS/m = 10 μ mho/cm 1 mS/cm = 1000 μ mho/cm 1 μ S/cm = 1 μ mho/cm 1 mmhos/cm = 100 μ mhos/cm

Org C

Organic carbon is expressed in mg/L as C (T = Total, P = Particulate, D = Dissolved); if more than one type of organic carbon is reported in the publication, record T in the field and the other values (P or D) as a Remark; if the value is reported as "organic carbon" without identifying type, assume the value is expressed as Total and report as T. Sediment organic carbon values are not reported.

9. Remark Parameters

The <u>Remark</u> field contains additional information about a coding field. The coding sheet does not reflect a discreet <u>Remark</u> field. Reviewers should code remarks in available blank space. Remarks for an AQUIRE field begin with a field name identifier, then a slash (/), followed by text and end with a double slash (//).

CONC/As Cu//

When additional information is necessary for coding a field, a slash is placed in the coded field and a remark field name identifier is placed in the Remark field to link the remark to the coded field. A complete list of field names is documented in Appendix N.

10. Field Testing Parameters

Habitat Description (HAB)

In the first box, a one-letter code based on the Cowardin system code (Appendix O) is used to describe the habitat (eg., Lacustrine or Riverine). The descriptor field is used to record the author's description of the water body, e.g. brackish marsh, oligotrophic lake, plastic tub, polyethylene lined enclosure. If the author does not provide any information about the habitat, both fields are coded as NR (not reported).

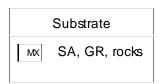
A list of the applicable Cowardin codes as well as some common habitat descriptors are presented in Appendix O.



Substrate (SUBSTR)

The bottom substrate is recorded as a two letter code by using the <u>Substrate</u> codes listed in Appendix P. If there are no applicable codes, record as the author states in the literature. If a substrate is not reported, NR is recorded. A mixture of sediment types is coded as "MX" and should also include text for the most prevalent soil type(s) in the mixture.

Differentiate between organic and mineral soil/sediment by recording O for organic (leaves, detritus, debris) and M for mineral. Report % organic matter, if reported in literature.



Water Depth (DEPTH)

Water depth is coded for the study site, as reported by the author. The software will convert the depth to a metric unit. "NR" is coded in the <u>Depth</u> field if the author does not report the water depth at the study site. If the author only reports the water depth of the entire system or the depth at which experimental units (i.e., cages) are suspended, "NR" is coded, and depth information is included in the Experimental Design field.

Location

Water body, city, county or relevant site information is coded. See Appendix Q, for field location abbreviations.

Geographic Text (ST/PR/COUNTRY)

This field will contain the state, province or country name of the test site (do not abbreviate; do not use the codes). If the test site is not reported, an "NR" is coded. Appendix R contains a listing of country, region and province names.

Latitude/Longitude (LAT/LONG)

If reported by the author the latitude and longitude are recorded. If a range is reported, place a slash in the field and report range in <u>Remark</u> field. If not reported, NR is recorded. An example of a longitude/latitude location (MED, Duluth, MN) is listed below:

Latitude: 46 • 50 '51 " N Longitude: 92 • 11 '12 " W

NOTE: The "~" sign replaces the "•" sign in data entry.

Application Type (AP TYPE)

This code will contain the method of application of the chemical. Application type codes are located in Appendix S.

For instances where the reviewer is unsure whether the chemical was applied directly to the

water body by pumping, pouring, metering, etc.,"DA" (Direct Application) will be coded.

Application Frequency (AP FREQ)

Record the number of doses applied during the exposure. If the dose is a non-pulsed, continuous flow, code "continual" in the AP FREQ field. Examples of continual exposures include artificial stream experimental systems and in situ exposures. If an application frequency is not reported, record NR. "Times" is written as X (e.g. 1X, 2X).

AP FREQ: 3X per mo// AP FREQ: 4X// AP FREQ: Continual//

Application Rate (AP RATE)

This field contains the application rate value and the units that the author reports. If an application rate is not reported by the author, record as NR. If an exposure concentration is not reported by author, the application rate must be reported. Application rate units are recalculated only if the denominator is not equal to one (e.g. 5 g/2.5 ac). A comment is noted in the Remark field (e.g. AP RATE/recalculated//). Document the recalculation in the margin or on a blank page of the publication and mark with a colored flag to alert the QA staff.

Chemical Half-life (HALF LIFE)

Record chemical half-life in water. If information about the half-life is not reported, record NR.

Application Season (AP SEAS)

This field is used ONLY if no application date is given by the author but the author does specify a season. This field contains the season of initial application of the chemical.

Application Date (AP DATE)

The application date is the time of initial exposure. The format is MO-DA-YR, e.g. 12-01-93, 01-00-75, 00-00-64. If more than one initial date is reported (e.g. more than one pond exposed), record the additional dates as a <u>Remark</u>. If one pond is exposed multiple times, only report the first application date and note #x in frequency. If the application date is not reported, NR is recorded.

GLOSSARY

(excerpted from Rand 1995)

Acute: Having a sudden onset, lasting a short time. Of a stimulus, severe enough to induce a response rapidly. Can be used to define either the exposure or the response to an exposure (effect). For clarity, the length of the exposure (short, medium, or long) and the nature of the effect end point (lethal or nonlethal) should be specified. The duration of an acute aquatic toxicity test is generally 4 d or less and mortality is the response measured.

Bioconcentration: A process by which there is a net accumulation of a chemical directly from water into aquatic organisms resulting from simultaneous uptake and elimination.

Bioconcentration factor (BCF): A term describing the degree to which a chemical can be concentrated in the tissues of an organism in the aquatic environment as a result of exposure to water-borne chemical. At steady state during the uptake phase of a bioconcentration test, the BCF is a value which is equal to the concentration of a chemical in one or more tissues of the exposed aquatic organisms divided by the average exposure water concentration of the chemical in the test.

Chemical Half-Life: The time required to reduce by one-half the concentration of a material in a medium or organism by transport, degradation, transformation or depuration.

Chronic: Involving a stimulus that is lingering or continues for a long time: often signifies periods from several weeks to years, depending on the reproductive life cycle of the aquatic species. Can be used to define either the exposure or the response to the exposure (the effect). For clarity the length of the exposure and the nature of the effect endpoint should be specified. Chronic exposure typically induces a biological response of relatively slow progress and long continuance. The chronic aquatic toxicity test is used to study the effects of continuous, long-term exposure to a chemical or other potentially toxic material on aquatic organisms.

Sublethal: Below the concentration that directly causes death. Exposure to sublethal concentrations of a material may produce less obvious effects on behavior, biochemical and/or physiological functions, and histology of organisms.

REFERENCES

American Public Health Association, American Waste Works Association, and Water Pollution Control Federation. 1992. *Standard Methods for the Examination of Water and Waste Water*, Eighteenth Edition, APHA, Washington, DC.

American Society for Testing and Materials. 1993. *Annual Book of ASTM Standards*, Section II Water and Environmental Technology, Pesticides; Resource Recovery; Hazardous Substances and Oil Spill Responses; Waste Disposal; Biological Effects. Vol. 11.04. ASTM, Philadelphia, PA.

Center for Lake Superior Environmental Studies, University of Wisconsin-Superior; 1984, 1985, 1986, 1988, and 1990. *Acute Toxicities of Organic Chemicals to Fathead Minnows (Pimephales promelas)*, Vol. 1-5. University of Wisconsin-Superior, Superior, WI.

Code of Federal Regulations. 1992. Title 40 - (Protection of Environment), Pt. 792 - "Good Laboratory Practice Standards", U.S. Government Printing Office, Washington, DC.

Insect- Pest Management and Control. 1971. Vol. 3, National Academy of Sciences: 377.

Rand, G.M. and S.R. Petrocelli (Eds). 1985. *Fundamentals of Aquatic Toxicology*, Hemisphere Publishing Corporation, Washington, DC:666 p.

Rand, G.M. (Ed.) 1995. Fundamentals of Aquatic Toxicology, Taylor & Francis, U.S.A. 1125 p.

U.S. EPA. 1985. *Guidelines for Deriving Numerical National Water Quality Criteria for the Protection of Aquatic Organisms and Their Uses.* PB85-227049. National Technical Information Services, Springfield, MA. 98 p.

U.S. EPA. 1979. *Aqueous Ammonia Equilibrium- Tabulation of Percent Un-Ionized Ammonia*. EPA-600/3-79-091. US EPA, Duluth, MN:428 p.

Ware, G.W. 1978. The Pesticide Book, W.H. Freeman and Co.

APPENDICES for the AQUIRE CODING GUIDELINES

APPENDIX A. AQUIRE CODING SHEETS

A1. AQUIRE Lab Coding SheetA2. AQUIRE Field Coding Sheet

APPENDIX B. PURITY CODES

B1. Chemical Grades

B2. Chemical Characteristics

APPENDIX C. RADIOLABEL CODES

APPENDIX D. SOLVENT CHEMICALS

APPENDIX E. TEST CONTROL CODES

APPENDIX F. TEST LOCATION CODES

APPENDIX G. ENDPOINT CODES

APPENDIX H. EFFECT CODES

APPENDIX I. EFFECT CODES BY MAJOR GROUP

APPENDIX J. ECOTOX TISSUE CODES

APPENDIX K. KEYWORDS FOR REMARKS TEXT FIELDS

APPENDIX L. CONCENTRATION UNITS

APPENDIX M. EXPOSURE TYPE CODES

APPENDIX N. AQUIRE DATA FIELD ABBREVIATIONS

APPENDIX O. COMMON HABITAT DESCRIPTORS

APPENDIX P. SUBSTRATE CODES

APPENDIX Q. FIELD LOCATION ABBREVIATIONS

APPENDIX R. GEOGRAPHIC TEXT

APPENDIX S. APPLICATION TYPE CODES

. TEST		CHEMICAL			<u> </u>	AQUIRE LAB CO GRADE PURITY 	ODING SHEET CHA	Γ (January 6 , ARACTERIS	, 2000) TICS	1		RA	DIO LABEL	CAS	NUMBER			
. S/V . S/V										_ ! _ [
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Loc No	Latin Name Species Number	Organism Characteristics	C n f	Endpoint Trend Effect Tissue	Measure Elgt % Sig Level	Conc Type, Concentration and Range or CI (µg/l)	BCF	Exp Time	E x p T	M U	T e m	Hard CaCO ₃	Alk. CaCO ₃	D.O.	pН	Sa-1- inity	Cond	Org C
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Loc No	Latin Name Species Number	Organism Characteristi cs	Cn	Endpoint Trend Effect Tissue	Measure Efct % Sig Level	Conc Type, Concentratio and Range or (µg/I)	BCF	Exp Time	Ехр Тур	M/U-	Temp	Hard Ca ₃ CO	Alk Ca ₃ CO	D.O.	рН	Sa- linity	Cond	
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APPENDIX B. PURITY CODES

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APPENDIX C. RADIOLABEL CODES

Ag-110 Am-241 As-74 Be-7 Cd-109 Cd-115 Ca-45 C-12 C-13 C-14 Cl-36 Cm-244 Co-57 Co-60 Co-64 Cr-51 Cs-134 Cs-137 Cu-63 Cu-63 Cu-64 Cu-65 Eu-152 F-18 Fe-59 H-3 Hg-197 Hg-203 I-125 I-131 Mn-54	Silver Americium Arsenic Beryllium Cadmium Cadmium Calcium Carbon Carbon Carbon Chlorine Curium Cobalt Cobalt Cobalt Cobalt Cobalt Chromium Cesium Cesium Copper Copper Copper Europium Fluorine Iron Hydrogen (Tritium) Mercury Mercury Iodine Iodine Manganese	N-15 Ni-63 Np-235 Np-237 NR P-32 Pb-203 Pb-210 Pu-237 Pu-239 Ra-226 S-35 Sb-125 Se-75 Sn-113 Na-25 Sr-85 Sr-85 Sr-90 Tc-95 Tc-99 Te-128 TI-115 Th-232 Th 238 U-232 U-235 U-238 V-48 V-49 Zn-65	Nitrogen Nickel Neptunium Neptunium Not Reported Phosphorus Lead Lead Plutonium Plutonium Radium Sulfur Antinomy Selenium Tin Sodium Strontium Techninium Techninium Techninium Tellurium Thallium 115 Thorium Uranium Uranium Vanadium Vanadium Vanadium Zinc
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APPENDIX D. SOLVENT CHEMICALS

Chemical Name	CAS#
Acetate	71501
Acetic acid	
Acetone (2-Propanone)	
Acetonitrile	
Aerosol OT (Sodium salt)	
Benzene	
Cadmium Chloride	
Cadmium Sulfate	
Corn Oil	
Cornstarch	
Cyclosol 63	
1,4-Dioxane	
DMF, N,N-Dimethylformamide	
DMSO, Dimethyl Sulfoxide	
Emulphor	
Ethanol (or Ethyl alcohol - absolute alcohol)	64175
Ether	60297
Ethylene Glycol Monomethyl Ether (2-Methoxyethanol)	109864
Fuel Oil	
2-Ethoxyethanol	
HCL, Hydrochloric Acid	
Hexane (also, N-Hexane)	
HNO3, Nitric Acid (HNO3; H2SO4,R)-Purity Character (Sulphuric Acid,R)	
Isopropanol (2-Propanol)	
Methanol (Methyl alcohol) (CH30H)	
Methoxyethanol (or 2-Methoxyethanol)	
Methylene Chloride	
NAHCO3, Sodium Bicarbonate	
NAOH, Sodium Hydroxide	
N,N-Dimethylformamide (or Dimethylformamide)	
Nitric Acid	
Olive Oil	
Peanut Oil	8002037
Pentane	
Petroleum ether	
Polyethylene Glycol (2-Propanol)	
Potassium Hydroxide (KOH)	
Propane (Propylene glycol)	
2-Propanol Isopropanol (or Isopropanol)-Isopropyl alcohol	
Propylene Glycol	
Saline	
Salt	
Sodium Sulfate	
Codium Sunate	1131020

Soybean Oil 8001	227
Sulfuric Acid	
Sunflower Oil 8001	216
Tergitol NPX	459
Toluene (or Methylbenzene)	
Toxisol FLC	920
Trichloroacetic Acid	039
Triethylene Glycol 112	276
Trimethylene Glycol 504	632
Triton-X100 9002	
Tween 40 9005	667
Tween 80 (Polysorbate 80) 9005	656
Velsicol	495
Xylene 1330	207

APPENDIX E. TEST CONTROL CODES

C	The control is run c oncurrent with the exposure tank(s); this includes field studies where the control data are obtained upstream from the exposure data, and controls run in the same system (e.g., lake), but remote from the treatments (e.g., different section of the lake). See also O; note that for c oncurrent controls the dilution water is the same as for the test exposure.
V	Solvent control reported by author; a duplicate of the exposure tank(s) with the exception that test chemical was not present, but solvent used in stock preparation is present in the control tank.
н	H istorical control; results are compared to a control, but the control data were collected previously (i.e., not run simultaneously).
0	"Other" controls are for use in aquatic studies only. The 'O' code should be used when a control is run in a different system (defined by different dilution water) than the exposure treatments; ie., control from pond A and effect information from pond B. See also C for concurrent controls.
В	Baseline control; test organism's measurement prior to exposure are used to compare results; mainly used in physiological/biochemical bioassays but includes pretreatment samples in field exposures that were conducted as part of or in preparation of the study.
M	M ultiple types of controls were reported by author (e.g., control with dilution water and solvent control).
K	Control was presented but procedure unknown.
NR	Control is n ot r eported by the author.

APPENDIX F. TEST LOCATION CODES

CODES	DEFINITIONS
FieldA	Field, A rtificial - a simulated or artificial field study is conducted outside but under conditions which are lacking in basic parameters such as substrate or tropic components such as plants or organisms, eg. an outdoor cement pond with no substrate and one test species.
FieldN	Field, N atural - a natural field study is conducted outdoors in a natural water body or an artificial water that has a natural bottom substrate and established aquatic communities (e.g. phytoplankton, zooplankton and fish).
FieldU	Field, U nable to determine whether natural or artificial setting
Lab	Lab oratory indoor setting
NR	Not Reported; unable to determine whether laboratory or field

APPENDIX G. ENDPOINT CODES

CODE ENDPOINT NAME: ENDPOINT DEFINITION

BCF Bioconcentration factor: A unitless value describing the degree to which a chemical can be concentrated in the tissues of an organism in the aquatic environment. At apparent equilibrium during the uptake phase of a bioconcentration test, the BCF is the concentration of a chemical in one or more tissues of the aquatic organism divided by the average concentration in the water.

$$BCF = \frac{g/kg \ chemical \ in \ organism \ tissue}{g/L \ chemical \ in \ H_2O}$$

or it is calculated from a ratio of rate constants, if at steady state,

- BCFD **BCF dry-weight:** Bioconcentration factor derived using dry weight.
- EC50 Median Effective Concentration: Effective concentration for 50% of the organisms tested. If an author reports mortality as the endpoint for an EC50 code, it is coded as an EC50 MOR. Such an endpoint could also be coded as an LC50 by definition but AQUIRE policy in this case is to respect the author interpretation and definition of an EC50 vs an LC50.
- Ecxx xx% Effective Concentration: Effective concentration for xx% of tested organisms.
- ED50 **Median Effective Dose:** Effective dose for 50% of the organisms tested. Used when an effect other than death is the observed endpoint.
- ET50 Median Effective Time: Median time to effect or estimated mean survival time.
- ICxx xx%Inhibition Concentration: The percentage inhibition concentration is a *chronic* endpoint "which can be calculated as a point estimate of the concentration that causes a specified degree of effect..." (based on Rand 1995, p.87). Rand provides growth, reproduction or fertilization as effects. Statistically or graphically estimated concentration of test material, under specified concentrations, is expected to cause a xx% inhibition of a biological process for which the data are dichotomous.
- IC50 **Median Inhibition Concentration:** Statistically or graphically estimated concentration of test material, under specified concentrations, is expected to cause a 50% inhibition of a biological process for which the data are dichotomous.
- LC50 **Median Lethal Concentration:** Statistically estimated concentration that is expected to be lethal to 50% of a group of organisms tested. Death may be defined by the effect codes MOR, IMM, EQU, HAT. TLms and TL50s with death as the measured endpoint are reported as LC50 and the synonym reported in the

- **ECOTOX Aquatic Coding Guidelines**
 - publication is coded in EE_Remarks.
- LXX **xx%Lethal Concentration/Dose:** A statistically estimated concentration or dose that is expected to be lethal to xx% of a group of organisms.
- LD50 **Median Lethal Dose:** A statistically estimated dose that is expected to be lethal to 50% of a group of organisms.
- LETC Lethal Threshold Concentration: Toxicity curve asymptotic concentration indicating an incipient LC50 value. Acute lethal action has essentially ceased.
- LOEC Lowest Observed Effect Concentration: Lowest concentration or level (LOEC) that has a statistically significant adverse effect on the tested organisms. The terms MEC (Minimum Effective Concentration) and MTC (Mininum Threshold Concentration, aka Maximal Tolerated Concentration) are coded as LOEC.

NOTE: "Companion endpoints" are endpoints assigned by the reviewer when the statistical results follow a clear concentration-response pattern and the author reports a NOEC, LOEC or MATC but fails to report the "companion endpoint". For example, when an author reports a NOEC and does not specifically define the lowest statistically significant effective concentration as a "LOEC", the data point is coded as a LOEC in AQUIRE by the reviewer. Similarly for reported LOECs without NOECs, NOEC/ LOECs without MATCs and MATCs without NOEC/LOECs.

- LT50 **Mean Survival Time:** Represents time until death of 50% of the tested organisms. Report the LT50 time in the Exposure Time field. [11/18]
- LTXX **xx% Death Time:** Time until xx% test organisms are dead.
- MATC Maximum Acceptable Toxicant Concentration: Hypothetical threshold concentration that is the geometric mean between the NOEC and LOEC concentration. The term Chronic Value (ChV) is encoded as MATC. Refer to companion endpoint note under LOEC definition.
- NOEC **No Observed Effect Concentration:** Highest concentration or level (NOEL) that has no statistically significant adverse effect on the tested organisms. The terms NOLC and NOEL are coded as NOEC. Refer to companion endpoint note under LOEC definition.
- NR-LETH **Lethal:** 100% mortality or 0% survival including algicidal and herbicidal effects. (No statistically derived endpoint reported).
- NR-ZERO **Zero Mortality:** 0% mortality or 100% survival of organisms. (No statistically derived endpoint reported).

APPENDIX H. EFFECT GROUP CODES AND DEFINITIONS

Highlighted and italicized indicates that papers or references need to be examined related to that code

GROUP/EFFECT CODE(S)	DEFINITION
ACC/ACC	Accumulation: Effects, measurements and endpoints which characterize the process by which chemicals are taken into and stored in plants or animals. Includes lethal body burden.
BEH/AVO, BEH, FDB	Beh avior: Overt activity of an organism represented by three <i>effect</i> groups - avoidance, general behavior, and feeding behavior. All measurements related to reproductive behavior are listed under the major effect group REP.
BCMBCM, ENZ, HRM,	B iochemical: measurement of biotransformation or metabolism of chemical compounds, modes of toxic action, and biochemical responses in plants and animals including three <i>effect</i> groups - biochemical, enzyme and hormone effects.
CEL/CEL, GEN, HIS	Cel lular Effects: measurements and endpoints regarding changes in structure and chemical composition of cells and tissues of plants or animals as related to their functions; the three <i>effect</i> groups include cellular effects, genetics and histology.
GRO/DVP, GRO, MPH	Gro wth: a broad category which encompasses measures of weight and length and includes effects on development, egg, growth and morphology. Development covers toxicant effects on tissue organization in growing progeny. Growth represents length and weight changes at any point in the life cycle. Morphology measurements and endpoints address the structure (bones) and form (organ/tissue development) of an organism at any stage of its life history.
MOR/mor	Mortality: measurements and endpoints where the cause of death is by direct action of the chemical.
PHY/INJ, IMM, ITX, PHY	Phy siology: measurements and endpoints regarding basic activity in cells and tissues of plants or animals. Four <i>effect</i> groups include injury, immobilization, intoxication and general physiological response.
POP/POP	Pop ulation: measurements and endpoints relating to a group of organisms or plants of the same species occupying the same area at a given time.
REP/ REP, AEG	Rep roduction: measurements and endpoints to track the effect of toxicants on the reproductive cycle. All measurements related to reproduction and care of progeny are included in this category, including behavioral and physiological measurements. Measurements related to development of progeny are found under the major <i>effect</i> group GRO, minor <i>effect</i> group DVP. The <i>effect</i> group AEG includes measurements of avian or reptilian eggs.
SYS/PRS	Eco sys tem: measurements and endpoints to track the effects of toxicants on ecosystem processes. Includes microbial processes.
NOC/NOC	No Group Code: measurements related to multiple or delayed effects or endpoints reported without a specific effect.

APPENDIX I. GROUP EFFECT, EFFECT AND MEASUREMENT CODES AND DEFINITIONS

ACC ACCUMULATION

ACC Effect

Measurements

BDBN body burden

ELIM elimination; general term for loss or disappearance of a substance from an organism by either passive or active transport mechanism, e.g. diffusion and metabolic transformation. (Rand 1995)

LBCN lethal body concentration

RSDE residue

UPTK uptake; the fraction of total available chemical in a medium (food, water) that is transferred to the organism (measured as the incoming - outgoing concentrations) OR a process by which materials are transferred into and onto an organism. (Rand 1995)

BEH BEHAVIOR

AVO Effect

Measurements

CHEM chemical avoidance FOOD food avoidance STIM stimulus avoidance WATR water avoidance

BEH Effect

Measurements

ACTP accuracy of learned task,	GBHV behavioral changes, general
performance	GPRD production, general
ACTV activity, general	HONY honey produced
ATCL attennal cleaning	INST sleeping time, induced
BBBH burrow or burial behavior	LOCO distance moved, change in direct
BWAX bees wax produced	movement
CASE case leaving behavior	MIGR migration
COMA colony maintenance (bees)	NMVMmovements, number of
COMB comb built	NVOC vocalizations, number of
DPLY displaying behavior	PHTR phototactic response
DRMT dormant, adverse condition response	PRVU predator vulnerability
DTCH ability to detach from substrate	RRSP righting response
ECMB empty combs	RSPT response time to a stimulus
EQUL equilibrium	STRS observed stress
FLTR filtration rate	VACL valve closure
FLYG flying behavior	THML temperature tolerance
FRZG freezing behavior	VCLF visual cliff

FDB Effect

Measurements

BGNG begging behavior
FCNS food consumption (amount or rate)
FDNG feeding behavior (activity)
FECL feed production
FEFF feeding efficiency
FSTR food storage
FTIM feeding time
FRBE predatory behavior
WCON water consumption

BCM BIOCHEMICAL

BCM Effect Measurements

				DDITE	
ALBE	albumen energy ACHL		nonesterified	PPHT	phosphate
acetylcho		FLRS	fluorescence	PHSP	phosphatide phosphorus
ESAA	amino acids, essential	GBCM	biochemical, general	PHOS	phosphorus
AMAC	amino acid(s), general	GHEM	general hematology	PHSC	phosphatidyl choline
	term	GLUC	glucose		(phospholipid) content
TTAA	amino acids, total	GMIN	glutamine	PHSE	phosphatidyl ethanolamine
TFAA	amino acids, total free	GLCN	glycine		(phospholipid) content
NEAA	amino acids, nonessential	GLYC	glycogen	PHSG	phosphatidyl glycerol
ACRR	acetylene reduction	GLYT	total glycolipid content		(phospholipid) content
	rate/plant roots nodulated	HMCT	hematocrit (anemia)	PHSI	phosphatidyl inositol
AMMOa	ammonia	HEME	heme content		(phospholipid)
ALAN	alanine	HMGL	hemoglobin	PHST	phospholipid content, total
AABA	alpha-aminobutyric acid	HIST	histidine	PIGM	pigment
ARGI	arginine	5HAA	5-hydroxyindole acetic	PLAS	plasmolysis
ASHC	ash content		acid	PORP	porphyrin
ASPA	aspartate	IBIL	indirect bilirubin (free)	POTA	potassium
TLBL	bilirubin, total BIOT	IRON	iron	PRCO	protein content
biotin co		ILEU	isoleucine	PRSY	protein synthesis
BICA	biocarbonate	LACT	lactate	PRTL	protein, total check
BUNT	blood urea nitrogen	LCTA	lactic acid	PRTO	protoporphyrin
C9BT	total 9B,19-	LEAD	lead	PYRV	pyruvate
	cyclopropylsterols	LEUC	leucine	RGSH	reduced gluthione
CALC	calcium	LCCT	leucocrit	NPSH	nonprotein sulfhydryl
CAPH	calcium/phosphorus ratio	LIPD	lipid	RIBO	riboflavin content
CARB	carbohydrate	LIPT	lipid content, total	RIDX	refractive index
CDIO	carbon dioxide	LPSA	lipid soluble antioxidants	RBVL	relative blood volume
CARC	carotenoid content	LYSI	lysine		(volume/100g body
CARO	carotene	MCHM	Mean corpuscular (cell)		weight)
CHOL	cholesterol		hemoglobin	SERI	serine
CHLA	chlorophyll 'a'	MCHC	mean corpuscular (cell)	SMET	secondary metabolism
	concentration		hemoglobin concentration	SRTN	serotonin
CHLB	chlorophyll 'b'	MCPV	mean corpuscular (cell)	SODI	sodium
	concentration		volume	ST5T	total (delta)5-sterols
CHLN	choline	MTLN	metallothionein	ST8T	total (delta)8-sterols
CHLO	chlorophyll, general	ME4T	total 4a-methylsterols	STRH	starch content
CHLR	chloride	METH	methionine	SUGA	sugar content
CPRP	coproporphyrin	MCPR	microsomal proteins	TEAM	tetraethyl ammonium
CREA	creatinine	MGCO	magnesium	THBA	thiobarbituric acid
CUCO	copper	MGDG	monogalactosyl diglyceride	THRE	threonine
CYB5	cytochrome B-5		(glycolipid) content	TRIB	tributyrin
CP1A	cytochrome P1A	MNCO	manganese	TRIG	triglycerides
P450	cytochrome P-450	NADP	nicatinamide-adenine	TRYP	tryptophan
D44T	total 4,4 dimethylsterols		dinucleotide phosphate,	TYRO	tyrosine
DGDG	digalactosyl diglyceride		reduced	UREA	urea
	(glycolipid)	NCON	nitrogen	URIC	uric acid
DI4T	total 4-dimethysterols		energy compound	VALI	valine
DISC	diethylsuccinate	NUTR	nutrient status change	VTD3	vitamin D3
	hydrolysis	ORNI	ornithine	YLKE	yolk energy
DTBL	direct bilirubin	PCLV	packed cell volume	ZNCO	Zinc content
	(conjugated)	AMNH	p-amino hippurate		
ETHL	ethylene	PHPH	pH		
FFTA	fatty acids, free or	PHEN	phenylalanine		
			1 2		

ENZ Effect

Mο	9611	rem	۵n	te
vie	21 S II	теш	еп	1.5

1110 000 00	1 CHI CH US		
2OHB	2-OH biphenyl hydroxylase	ALAD	(delta) 🕹 -aminolevulinic acid dehydrogenase
4OHB	4-OH biphenyl hydroxylase	ALDO	aldolase
ACHE	acetylcholinesterase	ALPH	alkaline phosphatase
ACPH	acid phosphatase	ALAS	(gamma) y-ALA synthetase
AEPX	aldrin epoxidase	AATT	alanine aminotransferase
AHDX	aniline hydroxylase	ATRP	alanine transpeptidase

APND AHHD ASAT BCHE BCOD BAPH BPND BGAL BHXA BROD CATP CAAH CACA CEST CRKI CCOX EPHY ECOD EROD EROD ESTE FDPA GENZ GGTR G6PD GLTR GLUR GLAD	aminopyrine n-demethylase aryl hydrocarbon hydrolase aspartate aminotransferase butoxycoumurin O-dealkylase benzo(a)pyrene hydroxylase benzphetamine-n-demethylase (beta) p-galactosidase benzpyrene hydroxylase benzylresorufin O-deethylase calcium ATPase carbonic anhydrase choline acetyltransferase cholinesterase creatine kinase cytochrome C-oxidase epoxide hydrase ethoxycoumurin O-deethylase 7-ethoxyresorufin O-deethylase esterase fructose-diphosphate aldolase enzyme, general (gamma) y-glutamyl transferase¹ glucose-6-phosphate dehydrogenase glucuronyl transferase (beta) p-glucoronidase glutamic acid dehydrogenase	MCOD MG6P MAOA PNAD ANAE NCCR 450R DHYD ORCT PBHD PROD PBES PCOD SGOT SGPT NKAT SBDH SCDH SODA THTR	p-nitroanisole demethylase u-naphthyl acetate esterase NADPH cytochrome C reductase NADPH-cytochrome p-450 reductase NADPH dehydrogenase ornithine carbamoyl transferase pentobarbital hydroxylase pentylresorufin O-deethylase phenyl benzoate esterase propoxycoumarin O-dealkylase serum glutamate oxalo acetate transaminase serum glutamic pyruvic transaminase sodium potassium AT Pase sorbitol dehydrogenase succinate dehydrogenase SOD enzyme activity thiol transferase

 $^{^1\,}$ G G T $\,$ is also used for gamma glutamyl transpeptadase, a liver enzyme; prior to using the GGTR code verify that indeed GGT is used as the transferase in the current publication. A new code will be needed for the transpeptadase.

HRM Effect

Measurements

abscisic acid ABSA **ESTR** estrogen GHRM hormone, general changes in **ANDR** androgen gibberellin **AUXN** auxin GIBB CORT corticosterone **NORE** norepinephrine CYTK cytokinin PRGS progesterone THYR DOPA dopamine thyroxine epinephirine **EPIN** TRII triidothyronine 17-beta estradiol **TSTR ESDL** testosterone

GRO GROWTH²

DVP Effect

Measurements

ABNM abnormal MOLT molting

COLR color PHRV post harvest character influenced

DFRM deformation PUPA pupation

EMRG emergence SXDP sexual development FIRM firmness TERA teratogenesis

FLDG fledged/female or /brood WEAN weaned

GDVP development, general

MATR maturation

GRO Effect

Measurements

AREA BMAS CVER GGRO	abnormal area biomass cover growth, general growth rate index	NODE RGNR SIZE STNT	height length dry mass/plant roots not nodulated # nodules/nodulated plant roots limb/ body part regeneration size stunting
		WGHT	weight

MPH Effect

Measurements

COSC caudal ossification center

DEPO shell deposition

GMPH general morphological changes

LGTH length

MOSC metacarpal ossification center

SMIX organ weight in relationship to body weight

SOSC sternal ossification center SRIB supernumerary ribs STRC structural changes STTO strength and tone

WGHT weight

² For generational effects, ie. F1 exposed, measurements from F2, F3, etc., use 'J' to precede juvenile measurement codes, 'E' to precede embryo measurement codes

CEL CELLULAR EFFECTS

CEL Effect 4/17/99

Measure	ements		
BASO	basophil	NCEL	number of cells
CCHG	cell changes	NEUT	neutrophil
CYTO	cytotoxicity	ORGL	organelle
DIVC	dividing cells	RBCE	red blood cell
EOSN	eosinophil	RETI	reticulocytes
ERTH	erythoroblasts	SPLO	splenocytes
GRAN	granulocyte	STRC	structural changes
LEUK	leukocytes	THRM	thrombocytes
I MPH	lymphocyte	TWRC	white blood cell c

LMPH lymphocyte TWBC white blood cell count, total MONO monocyte UBWB white blood cell, undifferentiated blasts

GEN Effect

Measurements

I I I CUB CI C			
CHLM	chlorophyll mutation/albino mutants	MIES	mitotic abnormalities, early separation
DAMG	damage	MIEX	mitotic abnormalities, exclusion
DNAC	DNA concentration	MIFR	mitotic abnormalities, fragment
DNAS	DNA synthesis rate	MIIN	mitotic abnormalities, interphase cells
MEIA	meiotic abnormalities, general	MILG	mitotic abnormalities, laggard
ME1A	meiotic abnormalities, 1 st anaphase	MIMT	mitotic abnormalities, metaphase
ME1M	meiotic abnormalities, 1 st metaphase	MIMN	mitotic abnormalities, micronuclei
ME2A	meiotic abnormalities, 2 nd anaphase	MINB	mitotic abnormalities, nuclear budding
ME2M	meiotic abnormalities, 2 nd metaphase	MINF	mitotic abnormalities, nuclear fusion
MEDM	meiotic abnormalities, diakinesis and 1 st	MIPR	mitotic abnormalities, prophase
	metaphase	MISK	mitotic abnormalities, stickiness
MEIR	meiosis rate	MITI	mitotic index (#mitoses/total cells)
MITA	mitotic abnormalities, general	MITR	mitotic rate
MICL	mitotic abnormalities, clumping	MNUC	micronuclei increase
MIAT	mitotic abnormalities, ana-telophase	MUTA	mutation
MIBC	mitotic abnormalities, binucleate cell	NABN	nuclear abnormalities
MIBG	mitotic abnormalities, bridge	RNAC	RNA concentration
MICY	mitotic abnormalities, cytomixis	RNAS	RNA synthesis rate
MIPO	mitotic abnormalities, disturbed polarity	SEXE	sex expression change

HIS Effect Measurements

ARTS	arteriosclerosis	HYPL	hyperplasia
CTYP	percent cell type	NCRL	necrotic lesions
EDMA	edema	NCRO	necrosis
GHIS	histological changes, general	NPHR	nephrosis
GLSN	gross lesions	TFLR	tissue fluorescence in UV light (BCM FLRS)
HEMR	hemorrhage	USTR	ultrastructural changes

MOR MORTALITY OR SURVIVORSHIP³

MOR Effect

Measurements HTCH hatch

HTCH hatch MDTH mean time of death

³ Ditto.

MORT mortality **SURV** survival TDTH time to death **TKNO** knockdown

PHY PHYSIOLOGICAL

ASHG anti-sheep red blood cell hemaglutinin **PARA** amount or percent animals infested with DHYP delayed type hypersensitivity parasites

IMM Effect Measurements

LYMP lymphocyte activity THYM thymocyte activity

NKCA natural killer cell activity

INJ Effect

Measurements

CLRS chlorosis GINJ injury, general CURV curvature SYMP symptom severity index

DAMG damage TUMR tumor induction VASC DESI desiccation vascular disruption

ITX Effect

Measurements

ANOR anorexia **IMBL** immobile, ATAX ataxia INCO incoordination CONV convulsions **PARL** paralysis

GITX intoxication, general TINT time to signs of intoxication

OSRS

OXYG

osmotic resistance/ RBC

PHY Effect

ABSC

ADPO

Measurements

abscission

oxidative phosphorylation oxygen consumption **ANBC** aniline binding capability PRIN PR intervals assimilation efficiency ASML **PSII** photosystem II (PSII) electron transport BDVL blood volume activity body temperature **PSYN** BTMP photosynthesis COLD cold hardiness RESP respiration DORB dormancy break **RPRT** respiratory rate DORI dormancy induction SENE senescence

EECG electroencephalogram SENI senescence induced/accelerated

EXCR SENR excretion rate senescence retarded

GPHY physiology, general **SRLO** spectral reflectance/shift to longer

HTRT heart rate wavelengths

HYDR hydration SRSH spectral reflectance/shift to shorter

wavelengths

IOUP ion uptake STOM IRRI irritation stomatal aperture

SWEL MYCO mycorrhizal colonization swelling NAST nastic movements TEXT texture change NFIX nitrogen fixation THRG thermoregulation **NPRA** net photosynthetic rate TRAN transpiration neuroresponse WACN water content NRSP

OSMO osmolality WILT wilt

POP POPULATION

POP Effect

Measurements

ABND Abundance (number of animals/area; **BMAS** biomass density) DRFT drift

DVRS diversity of increase) **INDX** index to population size; count, number, RCLN colonization rate RCPR recapture ratio abundance **NCHG** population change (change in n/change in SEXR sex ratio

time)

PBRA biomass turnover ratio (population/biomass)

PCCP population carrying capacity

population growth rate (intrinsic rate PGRT

REP REPRODUCTION

REP Effect

Measurements

ABNM abnormal NSNT successful nests BNDG pair bonding nesting behavior NSTS number of nests produced COUR courtship behavior NTSZ nest size CYNG care of young, nest attentiveness NUNT unsuccessful nests EGPN eggs per nest OBRD open brood FERT fertility **OEGP** onset of egg production FLOR floral induction **OVRT** ovulation rate FRMS frames, bees PIPD pipped FRUH percent fruit harvested PLBR pairs with litter or brood GERM germination PRFM pregnant females in a population progeny counts/numbers GIDX gestation index PROG GSTT parthenocarpy gestation time PRTH reproductive behavior changes INFL inflorescence RBEH LACG lactating reproductive capacity RPRD NANT nests abandoned RSUC reproductive success (general) NCLU corpus lutea, number of **RSEM** resorbed embryos NDAY number of days between eggs laid SBRD sealed brood NEGI number of eggs incubated SEED seed characteristics (including mass, NINC number of nests incubated number, set, yield) NOPN number of organisms per nest sperm cell counts SPCL NPOD number of pods STRL sterility

TPRD

VIAB

total production

viable offspring/seed

TRAP trappability

AEG Effect

Measurements

NSTI

NSTA number of active nests

nest initiation

CRAK cracking VOLU volume ESIN eggshell index WDTH width LGTH length WGHT weight QUAL quality YOLK yolk, percent SHLL shell, percent size

VIAB viable

softness

thickness

SYS **ECOSYSTEM**

SIZE SOFT

THIK

PRS Effect

Measurements

BGCM biogeochemical NITR nitrification CO2P CO₂ evolution NMIN net mineralization DCMP decomposition PPRO primary productivity GPPR gross primary productivity/respiration SPRO secondary productivity

SRES system respiration
TROP efficiency of trophic transfer between

different levels in the food chain; assimilation efficiency

NOC NO GROUP CODE

NOC Effect

Measurements

MULT multiple effects reported as one

result NRNR endpoint reported without a specific

effect

XXXX delayed effect

APPENDIX I1. SOME STANDARD BIOCHEMICAL VARIABLE ABBREVIATIONS

ESAA	adenosine 5'- triphosphate (10/6/99-dp)	ERTH FFTA NEFA GHEM GLUC GMIN GLCN GLYC	glutamine glycine glycogen	PHPH PHEN PPHT PHSP PHOS PORP	packed cell volume p-amino hippurate pH phenylalanine phosphate phosphatide phosphorus phosphorus porphyrin
	term amino acids, nonessential: ASP, SER, ASN, AAB, TYR, ORN, ALA, GLY, GLU, GLN, PRO, CYS	HMCT HEME	granulocyte hematocrit (anemia) heme content hemoglobin histidine	TOPR PRTO PYRV	potassium protein, total protoporphyrin pyruvate reduced gluthione
TFAA AMMC ANBC ARGI ASHC	amino acids, total amino acids, total free ammonia aniline binding capability arginine	NEUT LACT	5-hydroxyindole acetic acid indirect bilirubin (free) iron content isoleucine neutrophil lactate	NPSH RBCE RIDX RBVL RETI SERI	nonprotein sulfhydryl red blood cell refractive index relative blood volume (volume/100g body weight) reticulocytes serine
TLBL BIOT BUNT BDVL CALC CAPH CARB CCHG	basophil bilirubin, total biotin content blood urea nitrogen blood volume calcium calcium/phosphorus ratio carbohydrate cell changes cholesterol	LEAD LEUC LCCT LEUK LIPD LPSA LMPH LYSI	lactic acid lead leucine leucocrit leukocytes lipid lipid soluble antioxidants lymphocyte lysine mean corpuscular hemoglobin	THBA THIO THRE	sterols, general tetraethyl ammonium thiobarbituric acid thiol threonine thrombocytes tributyrin triglycerides
CHLN CHLR CPRP CREA CYB5 CP1A P450 DISC	choline chloride coproporphyrin	MT MHEM METH MCPR	concentration mean corpuscular volume metallothionein methemoglobin methionine microsomal proteins monocyte		tryptophan tyrosine urea uric acid

APPENDIX 12. SOME STANDARD ENZYME ABBREVIATIONS

4OHE ACHE ACHE ACHE ALAD ALAD ALAD ALAD ALAD ALAD ALAD ALA	2-OH biphenyl hydroxylase 4-OH biphenyl hydroxylase acetylcholinesterase acid phosphatase aldrin epoxidase aniline hydroxylase (delta) Δ -aminolevulinic acid dehydrogenase alkaline phosphatase (gamma) μ-ALA synthetase alanine aminotransferase alanine transpeptidase aminopyrine n-demethylase aspartate aminotransferase benzo(a)pyrene hydroxylase; aryl hydrocarbon hydroxylase (AHH) benzopyrene monooxygenase benzphetamine-n-demethylase benzpyrene hydroxylase calcium AT Pase carbonic anhydrase choline acetyltransferase choline acetyltransferase choline acetyltransferase cholinesterase creatine kinase cytochrome C-oxidase epoxide hydrase ethoxycoumurin O-deethylase resterase fructose-diphosphate aldolase (gamma) μ-glutamyl transferase glucose-6-phosphate dehydrogenase	GLUR GLAD GOTR GLAD GOTR GLAD GOTR GLAD GOTR GLAD GSTR GLAD HADH MADH MADH MADH MAOD MAOA ANAE NACR ASOR ORCT PROD PZMS PCOD SGPT NKAT SCDH THEH TRIE	glucuronyl transferase (beta) β-glucoronidase glutamic acid dehydrogenase glutamic-oxaloacetic transaminase glutamic pyruvic transaminase glutathione peroxidase glutathione S-transferase gluthione reductase hexobarbital hydroxylase lactate dehydrogenase lactate dehydrogenase/malic dehydrogenase rat malic dehydrogenase (alpha) α-mannidose [1/4/99] mannitol dehydrogenase [1/4/99] methoxycoumarin O-dealkylase microsomal glucose 6-phosphatase mono amino oxidase p-nitroanisole demethylase α-naphthyl acetate esterase NADH cytochrome C reductase NADH cytochrome C reductase NADPH cytochrome C reductase NADPH-cytochrome P-450 reductase NADPH dehydrogenase omithine carbamoyl transferase pentobarbital hydroxylase pentylresorufin O-deethylase phenazine methosulfate [1/4/99] phenyl benzoate esterase propoxycoumarin O-dealkylase serum glutamate oxalo acetate transaminase serum glutamic pyruvic transaminase sodium potassium AT Pase sorbitol dehydrogenase troll transferase trehalase [1/4/99] triacetin esterase trypsin
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 $^{^4\,}$ G G T is also used for gamma glutamyl transpeptadase, a liver enzyme; prior to using the GGTR code verify that indeed GGT is used as the transferase in the current publication. A new code will be needed for the transpeptadase.

APPENDIX 13. SOME STANDARD HORMONE ABBREVIATIONS

ANDR androgen
ESDL 17-beta estradiol
CORT corticosterone
EPIN epinephirine
ESTR estrogen
TENTAL PARTIES CONTROLLER

HRMNhormone, changes in

NOREnorepinephrine PRGS progesterone TSTR testosterone THYR thyroxine (T4) TRII triidothyronine (T3)

VTGN vitellogenin

	APPENDI	J. ECOTOX	TISSUE CODES
AG	Accessory Gland	GI	Gills
AM	Adductor Muscle	GP	Gills + Palps
AD	Adipose Tissue	GZ	Gizzard
AR	Adrenal Gland	GO	Gonads
AS	Air Sac	GG	Green Gland
AL	Albumen (egg white)	GU	Gut
ΑŢ	Alimentary Tract	HA	Hair
AF	Amniotic Fluid	HD	Head
AP	Appendages	HE	Heart
BB	Backbone, Spine	HL	Hemolymph
BW	Bee's Wax	HP	Hepatopancreas
BI BL	Bile Blood	HO HM	Honey Humerus
BV	Blood vessel	HY	Hypothalamus
BO	Bone	IN	Intestines (Intestinal Tract)
BM	Bone Marrow	IR	Intertines (intestinal Tract) Interrenal (organ between kidneys,
BR	Brain	ш	interrenal body; found in many fishes
BT	Breast	KI	Kidney
BC	Buccal mass	LP	Labial Palps
BÜ	Bursa	LD.	Lipid, Fat
BY	Byssus	LE	Leaf
CP	Capat	LG	Leg
CA	Cartilage	LI	Liver
CH	Chord, spinal	LU	Lungs
CL	Claw	MM	Mammary Tissue
CG	Cloacal gland	MA	Mantle
CO	Collagen	MS	Mesenteric Lymph Node
CR	Crop	MC	Microsome
DG	Digestive Gland	MI	Midgut and Midgut Gland
DT	Digestive Tract	MK	Milk, lactating females
ET	Edible Tissue	MO	Mucous
EG	Egg	MT	Multiple Tissue/Organs
EU EL	Egg Cuticle	MU MB	Muscle Muscle + Bone
EM	Elytrum	NG	Nasal Gland
EN	Embryo Entrails	NK NK	Neck
ER	Erythrocyte	NE NE	Nervous Tissue
ES	Esophagus	NR NR	Not Reported
ĒČ	Excreta	OL.	Olfactory
ĒΧ	Exoskeleton	ΟV	Ovaries
ĒΥ	Eye	ÖD	Oviduct
FE	Féathers	PA	Palps
FC	Feces	PS	Pancreas
FM	Femur	PE	Penis
FL	Fillet	PI	Pituitary Gland
Fl	Fin	PC	Placenta
FL.	Fillet	PL	Plasma
FH	Flesh	PO	Pollen
FO	Foot	PG	Prostrate Gland
FD	Frond	PR	Proventriculus
FR	Fry	PN	Pronephros (vestigial kidney)
GB	Gall Bladder	PD	Pseudobranch
GT	Gastrointestinal Tract	RC	Rectum

- RT Reproductive Tissue
- RR Residual, Remnants, Carcass
- RM Retractor Muscle
- RO Root
- SA Salt Gland
- SC Scale
- SV Seminal Vesicle
- SE Sensory Organs
- SR Serum
- SL Shell (mollusc, egg, ...)
- SG Shell Gland
- SB Shell, Membrane
- SO Shoot
- SI Siphon
- SN Skeleton
- SK Skin, Epidermis
- SM Sperm
- SP Spleen
- SS Stem
- SH Stomach
- ST Soft Tissue
- SX Submaxillary Gland
- SW Swimbladder
- TA Tail
- TN Tentacles
- TE Testes
- TG Thigh muscle
- TH Thorax
- TB Tibia
- TI Tissue
- TS Thymus
- TY Thyroid
- UB Urinary Bladder
- UR Urine
- UG Uropygial Gland
- UT Uterus
- VD Vas Deferens
- VE Vertebra
- VI Viscera
- WI Wings
- WO Whole Organism
- YO Yolk

APPENDIX K. KEYWORDS FOR REMARKS TEXT FIELDS

Chemical Effluent Humic Acid

Oil Mixture

Mixture

EE Remarks

Safe Conc (Safe Concentration)

General

Acute

Diet

Field

Food Chain

Graphical Data

Pre-Exposure

QSAR

Recovery

Sediment

Sublethal

Toxicity Symptoms⁵

Transport

Growth/Development

Diet

Malformation

Molt

Organism

Bacteria

Ind Taxon Result

(individual taxonomic results reported)

Microtox

Sex

Size

Terrestrial

Organism Characteristics

CW carapace width

Wet wt wet weight

Other Effects

Genotoxicity threshold

Physiology

Diet Hormone Metallothionen Nutrient

Parasitism Parturition

Antibodies

Stress

Residue

Autoradiography Biotransformation

Clearance

Depuration

Distribution

Elimination

Kinetics

Lethal Body Burden

Metabolism

Radiolabel

Uptake

Water Characteristics

Alkalinity

Conductivity

D.O.

Hardness

Нурохіа

Org_C

рH

Salinity

Temperature

Water Soluble Concentrate

⁵ "Toxicity symptoms" as a keyword is defined as erratic swimming, loss of reflex, discoloration, changes in behavior, excessive mucus production, hyperventilation, opaque eyes, curved spine, hemorrhaging, molting and cannibalism (APHA et al., 1992).

APPENDIX L. CONCENTRATION UNITS

for dose conc and application rate; for application rate Al may precede any units

Bq	Becquerels	ug/cm2/d	micrograms per centimer squared
Bq/g	Becquerels per gram		per day
Bq/kg	Becquerels per kilogram	μg/d	micrograms per day
Bq/L	Becquerels per liter	ug/d/org	micrograms per day per organism
Bq/mg	Becquerels per milligram	µg/egg	micrograms per egg
Bq/ml	Becquerels per milliliter	μg/fish	micrograms per fish
cpm	counts per minute	μg/g	micrograms per gram
cpm/L	counts per minute per liter	μg/g/d	micrograms per gram per day
cpm/mg cc N/50soln	counts per minute per milligram cubic centimeters 50N solution	μg/kg ug/kg LD	micrograms per kilogram micrograms per kilogram lipid
Ci/L	Curies per liter		rams per kilogram per day
Ci/mol	Curies per mole	μg/L	micrograms per liter
dpm	disintegrations per minute	μg/L/d	micrograms per liter per day
dpm/mg	disintegrations per minute per	μg/μl	micrograms per microliter
-	milligram	μg/mg	micrograms per milligram
dpm/mldisinte	grations per minute per milliliter	μg/mľ	micrograms per milliliter
gal/acre	gallons per acre	µg/org	micrograms per organism
g	grams	µg/tank/wk	micrograms per tank per week
g/m3	grams per cubic meter	μl /4.00 mg/	microliter
g/ft2 g/fish	grams per feet squared	µl/100ml µl/20ml	microliters per 100 milliliters
g/4m2	grams per fish grams per four square meters	μl/cm2	microliters per 20 milliliters microliters per centimeter squared
g/ha	grams per hectare	μl/egg	microliters per egg
g/kg	grams per kilogram	μl/g	microliters per gram
g/L	grams per liter	μl/kg	microliters per kilogram
g/m2	grams per meter squared	μl/L	microliters per liter
g/µg	grams per microgram	μl/ml	microliters per milliliter
g/m2	grams per square meter	μl/org	microliters per organism
g/yr IU	grams per year	μM	microMolar (micromoles per liter)
	International Units	μM/L	microMolar/liter
JV	juveniles	μM/kg	microMolar per kilogram
jv/fm	juveniles per female	μM/L	microMolar per liter
jv/mated fm kBq/dm3	juveniles per mated female kiloBecquerels per cubic decimeter	µmol µmol/100 g	micromoles
kBq/L	kiloBecquerels per liter	µmol/dm3	micromoles per 100 grams micromoles per cubic decimeter
kBq/ml	kiloBecquerels per milliliter	•	oles per kilogram
kg	kilograms	µmol/L	micromoles per liter
kg/ha	kilograms per hectare	mBq	milliBecquerels
kg/L	kilograms per liter		cquerels per milliliter
kg/m3	kilograms per cubic meter	mCi	milliCuries
L/ha	liters per hectare		ries per milligram
L/mi	liters per mile micro Becquerels	mCi/ml mCi/mmol	milliCuries per milliliter milliCuries per millimole
uBq μCi	microCuries	meq/L	milliequivalents per liter
μCi/3.6mg	microCuries per 3.6 milligrams	mg	milligrams
μCi/30mg	microCuries per 30 milligrams	mg/ae/L	milligrams acid equivalent per liter
μCi/kg	microCuries per kilogram	mg/100g	milligrams per 100 grams
μCi/L	microCuries per liter		ams per 70 grams
μCi/μI	microCuries per microliter	mg/dm3	milligrams per cubic decimeter
μCi/mg	microCuries per milligram	mg/d	milligrams per day
μCi/ml	microCuries per milliliter	mg/dose	milligrams per dose
μCi/org	microCuries per organism	mg/fish	milligrams per fish
µeq/g	microequivalents per gram	mg/g	milligrams per gram
µeq/L	microequivalents per liter	mg/g/d	milligrams per gram per day
μg μg/100g	micrograms micrograms per 100 grams	mg/g clay mg/kg	milligrams per gram clay milligrams per kilogram
μg/100g/d	micrograms per 100 grams per day	mg/kg diet	milligrams per kilogram diet
	rams per 50 microliters	mg/kg/L	milligrams per kilograms per liter
µg/cell	micrograms per cell	mg/kg/fish	milligrams per kilogram per fish
	rams per centimeter squared	mğ/kğ/d	milliğrams per kiloğram per day

mg/kg/wk milligrams per kilogram per week mg/L milligrams per liter milligrams per milliliter mg/ml milligrams per organism mg/org milliliters ml ml/100g milliliters per 100 grams ml/body/wt milliliters per body weight mI/kg milliliters per kilogram mI/L milliliters per liter mI/m2 milliliters per square meter mMmilliMolar (millimoles per liter) mmol millimoles mmol/m3 millimoles per cubic meter

millimoles per kilogram mmol/kg

mmol/Lmillimoles per liter

M Molar (moles per liter) molal Molality

mol moles mol/m3moles per cubic meter mol/L moles per liter mol/orgmoles per organism nanoCuries nCi

nCi/L nanoCuries per liter

nanograms ng

ng/cm2 nanograms per square centimeter

ng/fish nanograms/fish ng/org nanograms/organism nanograms per gram ng/g nanograms per gram diet ng/g

nanograms per milligram ng/mg nΜ nanoMolar (nanomoles per liter)

nanoMolar per gram nM/g

nanomoles nmol nmol/kgnanomoles per kilogram nmol/L nanomoles per liter nmol/mhanomoles per milliliter

Ν Normal (equivalents per liter)

ounces per acre oz/acre

ppm/org % parts per million per organism

percent

% g percent grams % mg percent milligrams % sat percent saturation

% v/v percent volume per volume 0/00 V/V parts per thousand volume per

volume

PI g/L PI (π) grams per liter picò Curies per liter pCi/L pCi/mI picoCuries per milliliter pg/g picograms per gram pmol/L picomoles per liter pmol/mbicomoles per milliliter İb/acre pounds per acre

Ib/cwt sd pounds per hundred weight seed

T/km³ tons per cubic kilometer v/v volume per volume

APPENDIX M. EXPOSURE TYPE CODES

Lab Exposure Types

C - Topical exposure

Diet or Oral exposure (includes simultaneous diet and water exposure)

F - Flow-through I - Injection

 Leaching (used for leachate and sediment exposures, if water conc reported)

P - Pulse (intermittent or fluctuating dosing)

R - Renewal

S - Static (recirculating exposures are noted in Exp Design; algae tests where the time is ≤ 24 hr, static may be assumed, and coded as such by the reviewer)

Field Exposure Types

B - Tidal D - Diet

E - Lentic (static water system without measurable flow rate, e.g., ponds, lakes, troughs, irrigation ditches - dp 9/28/99)

I - Injection

O - Lotic (flowing water system, e.g., streams)

APPENDIX N. AQUIRE DATA FIELD ABBREVIATIONS

Field Heading	Remark Abbreviation	
Grade	GRADE	
Characteristics	CHAR	
Radiolabel	RADIO	
Carrier or Solvent	CARRIER	
Solvent Characteristics	SOLVCHAR	
Media	FW,SW	
Location	LAB,FIELD	
Organism Char	LIFESTG	
Control	CONTR	
Tissue	TISSUE	
Effect	In EE_Remark	
Trend	TREND	
Endpt	In EE-Remark	
Signif	SIGNIF	
Level	LEVEL	
Concentration	CONC	
BCF	BCF	
Exposure Time	TIME	
Exposure Type	TYPE	
Method Conc	CONC	
Temperature	TEMP	
Hardness	HARD	
Alkalinity	ALK	
Dissolved Oxygen	DO	
рН	PH	
Salinity	SALIN	
Conductivity	COND	
Organic C	ORG C	

Field Heading	Remark Abbreviation
Habitat Descr	НАВ
Substrate Info	SUBSTR
Water Depth	DEPTH
Location	LOC
Sta/Pro/Country	None
Latitude	LAT
Longitude	LONG
АР Туре	AP TY
AP Frequency	AP FREQ
AP Rate	AP RATE
Half Life	HALF
AP Season	AP SEAS
AP Date	AP DATE

APPENDIX O. HABITAT CODES AND COMMON DESCRIPTORS

Estuarine - "deepwater tidal habitats ... with sporadic access to open ocean... ocean water is ... diluted by freshwater..."; Salinity range between 0.5 (20 acres) and <=2 m water depth, for example: < 30 ppt, for example:

Palustrine - "small, shallow, permanent or intermittent fresh water bodies"; total area <=8 ha

Bay Marsh, brackish, salt, tidal **Estuary** Sw amp

Boa Fen Marsh Pond Rice fields Sw amp Wetland

Lacustrine - "permanently flooded lakes and reservoirs, intermittent lakes and tidal lakes with salinity <=0.5 ppt; "; total area exceeds 8 ha (20 acres) and 2 m water depth, for example:

Riverine - "a channel, an open conduit either naturally or artificially created which periodically or continuously contains moving water or which forms a connecting link between two bodies of standing water" salinity <=0.5 ppt; for example:

Bay Cove Impoundment Lake

Creek River Stream Tidal river Tributary

Marine - "open ocean overlying the continental shelf and its associated ... coastline; includes shallow coastal indentations or bays; salinity [typically] exceed 30 ppt"; for example:

Bay Gulf Open ocean Reef Seaw eed bed

⁶ With the exception of the 'Artificial' code, all codes are based on Cowardin, L.M., V. Carter, F.C.Golet, and E.T.LaRoe. 1979. Classification of Wetlands and Deepwater Habitats of the United States. FWS/OBS-79/31, USDI, Washington, DC:31 p.

APPENDIX P. SUBSTRATE CODES

Substrate	AQUIRE Code
Clay	CL
Gravel	GR
Mineral	M
Mixed substrate	MX
Mud	MU
Organic	0
Sand	SA
Silt	SI

APPENDIX Q. FIELD LOCATION ABBREVIATIONS

Aquatic Agricultural County Creek Development District East Environmental Experimental Fisheries Institute Island Lake	NE* NW* MT R Res Resvr S* SE* SW* Sta USFWS	Northeast Northwest Mountain River Research Reservoir South Southeast Southwest Saint Station United States Fish and Wildlife Service
Laboratory	Univ	University
	VV	West
	Agricultural County Creek Development District East Environmental Experimental Fisheries Institute Island Lake	Agricultural NW* County MT Creek R Development Res District Resvr East S* Environmental SE* Experimental SW* Fisheries St Institute Sta Island USFWS Lake Laboratory Univ National W*

^{*} Do not abbreviate directional information that is part of the proper name of a location (e.g. South L or Northwest Territory).

Example:

Lester River, Lake Superior, Environmental Research Laboratory, Duluth.

Code as: Lester R, L Superior, Env Res Lab, Duluth.

APPENDIX R. GEOGRAPHIC TEXT

(codes are being deleted; not used by reviewers, assigned automatically during data entry; see programmers SOPs [6/9])

AF AFGHANISTAN

Badakhshan **Badghis** Baghlan Balkh Bamian Farah Fary ab Ghazni Ghowr Helmand Herat Jowzjan Kabol Kandahar Kapisa Konar Kondoz Laghman Lowgar Nangarhar Nimruz Oruzgan Paktia Paktika Parv an Samangan Sar-e Pol Takhar Vardak

AL ALBANIA

Zabol

Berat Dibre Durres Elbasan Fier Gjirokaster Gramsh Kolonje Korce Kruje Kukes Lezhe Librazhd Lushnje Mat Mirdite Permet Pogradec Puke Sarande Shkoder Skrapar Tepelene Tirane Tropoie Vlore

AG ALGERIA

Adrar Ain Defla Ain Temouchent Alger Annaba Batna Bechar Bejaia Biskra Blida

Bordj Bou Arreridj Bouira

Boumerdes Chlef Constantine Dielf a EÍ Bay adh El Oued El Tarf Ghardaia Guelma Illizi Jijel Khenchela Laghouat Mascara Medea Mila Mostaganem M'sila

Naama Oran Ouargla Oum el Bouaghi

Relizane Saida Setif

Setiff
Sidi Bel Abbes
Skikda
Souk Ahras
Tamanghasset
Tebessa
Tiaret
Tindouf
Tipaza
Tissemsilt

Tizi Ouzou

Tlemcen

AQ AMERICAN SAMOA

AN ANDORRA

Andorra Canillo Encamp La Massana Ordino Sant Julia de Loria

AO ANGOLA

Bengo
Benguela
Bie
Cabinda
Cuando Cubango
Cuanza Norte
Cuanza Sul
Cunene
Huambo
Huila
Luanda
Lunda Norte
Lunda Sul

Malanje Moxico Uige Zaire

AV ANGUILLA

AY ANTARCTICA

AC ANTIGUA AND BARBUDA

Barbuda Saint George Saint John Saint Mary Saint Paul Saint Peter Saint Philip

AR ARGENTINA

Buenos Aires Catamarca Chaco Chubut Cordoba Corrientes Distrito Federal Entre Rios Formosa Jujuy La Pampa La Rioja Mendoza Misiones Neuquen Rio Negro Salta San Juan San Luis Santa Cruz Santa Fe

Santiago del Estero

Tierra del Fuego, Antartidae Islas del Atlantico Sur

Tucuman

AM ARMENIA

AA ARUBA

AT ASHMORE AND CARTIER ISLANDS

* AS AUSTRALIA

Australian Capital Territory New South Wales Northern Territory Queensland South Australia Tasmania Victoria Western Australia

AU AUSTRIA

Burgenland Karnten

Niederosterreich

Oberosterreich Salzburg Steiermark	Jaipurhat Jamalpur Jessore	BH BELIZE Belize Cay o
Tirol	Jhalakati	Corozal
Vorarlberg	Jhenaidah	Orange Walk
Wien	Khagrachari	Stann Creek
A.L. AZEDDALIANI	Khulna	Toledo
AJ AZERBAIJAN	Kishorganj	DI DENIN
DE DALLAMAS THE	Kurigram Kushtia	BN BENIN
BF BAHAMAS, THE	Laksmipur	BN01 Atakora
Acklins and Crooked Islands Bimini	Lalmonirhat	BN02 Atlantique BN03 Borgou
Cat Island	BG52 Madaripur	BN03 Borgou BN04 Mono
Exuma	BG53 Magura	BN05 Oueme
Freeport	BG54 Manikganj	BN06 Zou
Fresh Creek	BG55 Meherpur	2.100 200
Gov ernor's Harbour	BG56 Moulav ibazar	BD BERMUDA
Green Turtle Cay	BG57 Munshiganj	Devonshire
Harbour Island	BG12 My mensingh	Hamilton
High Rock	BG58 Naogaon	Hamilton
Inagua	BG59 Narail BG60 Narayangani	Paget
Kemps Bay	BG60 Naray anganj BG61 Narsingdi	Pembroke
Long Island	BG62 Nator	Saint George
Marsh Harbour May aguana	BG63 Netrakona	Saint George's
New Providence	BG64 Nilphamari	Sandy s
Nichollstown and Berry Islands	BG13 Noakhali	Smiths Southampton
Ragged Island	BG65 Pabna	Warwick
Rock Sound	BG66 Panchagar	Waiwick
Sandy Point	BG67 Parbatty a Chattagram	BT BHUTAN
San Śalvador and Rum Cay	BG15 Patuakhali	BT05 Bumthang
	BG68 Pirojpur	BT06 Chhukha
BA BAHRAIN	BG69 Rajbari	BT07 Chirang
Al Hadd	BG70 Rajshahi BG71 Rangpur	BT08 Daga
Al Manamah	BG71 Rangpur BG72 Satkhira	BT09 Gey legphug
Al Mintagah al Gharbiy ah	BG73 Shariy atpur	BT10 Ha
Al Mintagah al Wusta	BG74 Sherpur	BT11 Lhuntshi
Al Mintagah ash Shamaliyah	BG75 Sirajganj	BT12 Mongar
Al Muharraq Ar Rifa' wa al Mintaqah al	BG76 Sunamganj	BT13 Paro
Janubiy ah	BG77 Sylhet	BT14 Pemagatsel BT15 Punakha
Jidd Hafs	BG78 Tangail	BT16 Samchi
Madinat Hamad	BG79 Thakurgaon	BT17 Samdrup
Madinat 'Isa		BT18 Shemgang
BA09 Mintagat Juzur Hawar	BB BARBADOS	BT19 Tashigang
BA06 Sitrah	BB01 Christ Church	BT20 Thimphu
	BB02 Saint Andrew	BT21 Tongsa
FQ BAKER ISLAND	BB03 Saint George	BT22 Wangdi Phodrang
	BB04 Saint James BB05 Saint John	51 561 11/14
BG BANGLADESH	Saint Joseph	BL BOLIVIA
BG22 Bagerhat	Saint Lucy	BL01 Chuquisaca
BG04 Bandarban	Saint Michael	BL02 Cochabamba BL03 El Beni
BG25 Barguna	Saint Peter	BL03 El Belli BL04 La Paz
BG01 Barisal Bhola	Saint Philip	BL05 Oruro
Bogra	Saint Thomas	BL06 Pando
Brahmanbaria		BL07 Potosi
Chandpur	BS BASSAS DA INDIA	BL08 Santa Cruz
Chapai Nawabganj		BL09 Tarija
Chattagram	BO BELARUS	•
Chuadanga		BK BOSNIA AND
Comilla	BE BELGIUM	HERZEGOVINA
Cox's Bazar	Antwerpen	
Dhaka	Brabant	* BC BOTSWANA
Dinajpur	Hainaut	BC01 Central
Faridpur Feni	Liege Limburg	BC02 Chobe
Gaibandha	Limburg	BC03 Ghanzi
	Luxemboura	DC04 /
Gazipur	Luxembourg Namur	BC04 Kgalagadi
Gazipur Gonalgani		BC05 Kgatleng
Gazipur Gopalganj Habiganj	Namur	5 5

BC08 North-East BC09 South-East BC10 Southern BV BOUVET ISLAND	UV29 Mouhoun UV30 Namentenga UV31 Naouri UV32 Oubritenga UV33 Oudalan	CM11 Centre CM04 Est CM12 Extreme-Nord CM05 Littoral CM13 Nord
* BR BRAZIL BR01 Acre BR02 Alagoas BR03 Amapa BR04 Amazonas	UV34 Passore UV35 Poni UV36 Sanguie UV37 Sanmatenga UV38 Seno	CM07 Nord-Ouest CM08 Ouest CM14 Sud CM09 Sud-Ouest
BR05 Bahia BR06 Ceara BR07 Distrito Federal BR08 Espirito Santo BR29 Goias BR13 Maranhao BR14 Mate Greece de Sul	UV39 Sissili UV40 Soum UV41 Sourou UV42 Tapoa UV43 Yatenga UV44 Zoundweogo BM BURMA BM02 Chip State	* CA CANADA * CA01 Alberta * CA02 British Columbia * CA03 Manitoba * CA04 New Brunswick * CA05 Newf oundland * CA06 Northwest Territories * CA07 Nov a Scotia
BR11 Mato Grosso do Sul BR15 Minas Gerais BR16 Para BR17 Paraiba BR18 Parana BR30 Pernambuco BR20 Piaui BR21 Rio de Janeiro	UV44 Zoundweogo BM BURMA BM02 Chin State BM03 Irrawaddy BM04 Kachin State BM05 Karan State BM06 Kay ah State BM07 Magwe BM08 Mandalay BM13 Mon State	* CA08 Ontario * CA09 Prince Edward Island * CA10 Quebec * CA11 Saskatchewan * CA12 Yukon Territory CV CAPE VERDE
BR22 Rio Grande do Norte BR23 Rio Grande do Sul BR24 Rondonia BR25 Roraima BR26 Santa Catarina BR27 Sao Paulo BR28 Sergipe	BM09 Pegu BM01 Rakhine State BM14 Rangoon BM10 Sagaing BM11 Shan State BM12 Tenasserim	CV CAPE VERDE CV01 Boa Vista CV02 Brava CV03 Fogo CV04 Maio CV05 Paul CV06 Praia CV07 Ribeira Grande
BR31 Tocantins IO BRITISH INDIAN OCEAN TERRITORY	BY BURUNDI BY09 Bubanza BY02 Bujumbura BY10 Bururi BY11 Cankuzo	CV07 Ribella Grande CV08 Sal Santa Catarina Sao Nicolau Sao Vicente Tarrafal
VI BRITISH VIRGIN ISLANDS	BY12 Cibitoke BY13 Gitega	CJ CAYMAN ISLANDS
BX BRUNEI BX01 Belait BX02 Brunei and Muara BX03 Temburong BX04 Tutong	BY14 Karuzi BY15 Kayanza BY16 Kirundo BY17 Makamba BY05 Muramvya BY18 Muyinga	CJ01 Creek CJ02 Eastern CJ03 Midland CJ04 South Town CJ05 Spot Bay CJ06 Stake Bay
BU BULGARIA BU29 Burgas	BY19 Ngozi BY20 Rutana BY21 Ruyigi	CJ07 West End CJ08 Western
BU30 Grad Sof iy a BU31 Khaskov o BU32 Lov ech BU33 Mikhay lov grad BU34 Plov div BU35 Razgrad BU36 Sof iy a BU37 Varna	CB CAMBODIA CB01 Batdambang CB02 Kampong Cham CB03 Kampong Chhnang CB04 Kampong Spoe CB05 Kampong Thum CB06 Kampot	CT CENTRAL AFRICAN REPUBLIC CT01 Bamingui-Bangoran CT18 Bangui CT02 Basse-Kotto CT15 Gribingui CT03 Haute-Kotto
* UV BURKINA UV15 Bam UV16 Bazega UV17 Bougouriba UV18 Boulgou UV19 Boulkiemde UV20 Ganzourgou UV21 Gnagna UV22 Gourma UV23 Houet UV24 Kadiogo UV25 Kenedougou	CB07 Kanipot CB07 Kandal CB08 Kaoh Kong CB09 Kracheh CB10 Mondol Kiri CB11 Phnum Penh CB12 Pouthisat CB13 Preah Vihear CB14 Prey Veng CB15 Rotanokiri CB16 Siemreab-Otdar Meanchey CB17 Stoeng Treng CB18 Svay Rieng CB19 Takev	CT04 Haute-Sangha CT05 Haut-Mbomou CT06 Kemo-Gribingui CT07 Lobay e CT08 Mbomou CT09 Nana-Mambere CT17 Ombella-Mpoko CT11 Ouaka CT12 Ouham CT13 Ouham-Pende CT16 Sangha CT14 Vakaga
UV26 Komoe UV27 Kossi UV28 Kouritenga	* CM CAMEROON CM10 Adamaoua	CD CHAD CD01 Batha CD02 Biltine

CD03 Borkou-Ennedi-Tibesti CD04 Chari-Baguirmi CD05 Guera CD06 Kanem CD07 Lac CD08 Logone Occidental CD09 Logone Oriental CD10 May o-Kebbi CD11 Moy en-Chari CD12 Ouaddai CD13 Salamat CD14 Tandjile	Amazonas Antioquia Arauca Atlantico Boliv ar Boy aca Caldas Caqueta Casanare Cauca Cesar Choco Cordoba	IV07 Biankouma IV38 Bondoukou IV27 Bongouanou IV39 Bouaf le IV40 Bouake IV11 Bouna IV12 Boundiali IV03 Dabakala IV41 Daloa IV14 Danane IV42 Daoukro IV43 Dimbokro IV46 Divo
CI CHILE CI02 Aisen del General Carlos Ibanez del Campo CI03 Antof agasta CI04 Araucania CI05 Atacama CI06 Bio-Bio CI07 Coquimbo CI08 Libertador General Bernardo O'Higgins CI09 Los Lagos CI10 Magallanes y de la Antartica Chilena CI11 Maule CI12 Region Metropolitana CI13 Tarapaca Valparaiso	Cundinamarca Distrito Especial Guainia Guaviare Huila La Guajira Magdalena Meta Narino Norte de Santander Putumay o Quindio Risaralda San Andres y Providencia Santander Sucre Tolima	IV44 Duekoue IV17 Ferkessedougou IV18 Gagnoa IV45 Grand-Lahou IV46 Guiglo IV28 Issia IV20 Katiola IV21 Korhogo IV29 Lakota IV47 Man IV30 Mankono IV48 Mbahiakro IV23 Odienne IV31 Oume IV49 Sakassou IV50 San Pedro IV51 Sassandra
* CH CHINA CH01 Anhui CH22 Beijing CH07 Fujian CH15 Gansu CH30 Guangdong CH16 Guangxi CH18 Guizhou CH31 Hainan CH10 Hebei CH08 Heilongjiang CH09 Henan CH12 Hubei CH11 Hunan	Valle del Cauca Vaupes CVichada CN COMOROS Anjouan Grande Comore Moheli CF CONGO Bouenza Brazzav ille Cuv ette Kouilou Lekoumou	IV25 Seguela IV52 Sinf ra IV32 Soubre IV53 Tabou IV54 Tanda IV55 Tiassale IV33 Tingrela IV26 Touba IV56 Toumodi IV57 Vav oua IV58 Yamoussoukro IV34 Zuenoula HR CROATIA
CH04 Jiangsu CH03 Jiangxi CH05 Jilin CH19 Liaoning CH20 Nei Mongol CH21 Ningxia CH06 Qinghai CH26 Shaanxi CH25 Shandong CH23 Shanghai CH24 Shanxi CH27 Sichuan CH27 Sichuan CH28 Tianjin CH13 Xinjiang CH14 Xizang CH29 Yunnan CH02 Zhejiang	Likouala Niari Plateaux Pool Sangha CW COOK ISLANDS CR CORAL SEA ISLANDS CS COSTA RICA CS01 Alajuela CS02 Cartago CS03 Guanacaste CS04 Heredia CS06 Limon CS07 Puntarenas	CU CUBA CU05 Camaguey CU07 Ciego de Avila CU08 Cienf uegos CU02 Ciudad de la Habana CU09 Granma CU10 Guantanamo CU12 Holguin CU04 Isla de la Juventud CU11 La Habana CU13 Las Tunas CU03 Matanzas CU01 Pinar del Rio CU14 Sancti Spiritus CU15 Santiago de Cuba CU16 Villa Clara
KT CHRISTMAS ISLAND IP CLIPPERTON ISLAND CK COCOS (KEELING) ISLANDS CO COLOMBIA	CS08 San Jose IV COTE D'IVOIRE IV01 Abengourou IV35 Abidjan IV04 Aboisso IV05 Adzope IV06 Agboville IV36 Bangolo IV37 Beoumi	CY CYPRUS Famagusta Ky renia Larnaca Limassol Nicosia Paphos * EZ CZECH REPUBLIC

* DA DENMARK DA01 Arhus	EC04 Canar EC05 Carchi	EK09 Wele-Nzas
DA02 Bornholm DA03 Frederiksborg	EC06 Chimborazo EC07 Cotopaxi	ER ERITREA
DA04 Fyn DA05 Kobenhav n DA07 Nordjy lland DA08 Ribe DA09 Ringkobing DA10 Roskilde DA11 Sonderjy lland DA06 Staden Kobenhav n DA12 Storstrom DA13 Vejle DA14 Vestsjalland DA15 Viborg DJ DJIBOUTI DJ01 'Ali Sabih DJ02 Dikhil	EC08 El Oro EC09 Esmeraldas EC01 Galapagos EC10 Guay as	EN ESTONIA EN01 Harjumaa EN02 Hiiumaa EN03 Ida-Virumaa EN04 Jarvamaa
DA11 Sonderjy lland DA06 Staden Kobenhav n DA12 Storstrom DA13 Vejle	EC11 Imbabula EC12 Loja EC13 Los Rios EC14 Manabi EC15 Morona-Santiago EC21 Napo EC17 Pastaza EC18 Pichincha EC22 Sucumbios EC19 Tungurahua EC20 Zamora-Chinchipe * EG EGYPT EG01 Ad Daqahliyah EG02 Al Bahr al Ahmar EG03 Al Buhay rah EG04 Al Fay y um EG05 Al Gharbiy ah EG06 Al Iskandariy ah EG07 Al Isma'iliy ah	EN05 Jogev amaa EN06 Kohtla-Jarv e EN07 Laanemaa EN08 Laane-Virumaa EN09 Narv a
DA14 Vestsjalland DA15 Viborg	EC17 Pastaza EC18 Pichincha EC22 Sucumbios	EN10 Parnu EN11 Parnumaa EN12 Polvamaa
DJ DJIBOUTI DJ01 'Ali Sabih DJ02 Dikhil	EC19 Tungurahua EC20 Zamora-Chinchipe	EN13 Raplamaa EN14 Saaremaa EN15 Sillamae
DJ03 Djibouti DJ04 Obock DJ05 Tadjoura	* EG EGYPT EG01 Ad Daqahliy ah EG02 Al Bahr al Ahmar EG03 Al Buhay rah EG04 Al Fay yum EG05 Al Gharbiy ah EG06 Al Iskandariy ah EG07 Al Isma'iliy ah EG08 Al Jizah EG09 Al Minuf iy ah EG10 Al Miny a EG11 Al Qahirah EG12 Al Qaly ubiy ah EG13 Al Wadi al Jadid EG14 Ash Sharqiy ah EG15 As Suway s EG16 Aswan EG17 Asy ut EG18 Bani Suway f EG19 Bur Sa'id EG20 Dumy at EG21 Kaf r ash Shay kh EG22 Matruh EG23 Qina EG27 Shamal Sina' EG24 Suhaj ES EL SALVADOR	EN16 Tallinn EN17 Tartu EN18 Tartumaa
DO DOMINICA DO02 Saint Andrew	EG03 Al Bullaytali EG04 Al Fayyum EG05 Al Gharbiyah EG06 Al Iskandariyah	EN19 Valgamaa EN20 Viljandimaa EN21 Vorumaa
DO04 Saint George DO05 Saint John DO06 Saint Joseph	EG07 Al Isma'iliy ah EG08 Al Jizah EG09 Al Minuf iy ah	ET ETHIOPIA ET15 Adis Abeba ET01 Arsi
DO07 Saint Luke DO08 Saint Mark DO09 Saint Patrick	EG10 Al Minya EG11 Al Qahirah EG12 Al Qaly ubiy ah	ET17 Asosa ET38 Bale ET18 Borena
DO10 Saint Paul DO11 Saint Peter	EG13 Al Wadi al Jadid EG14 Ash Sharqiyah EG15 As Suways	ET19 Debub Gonder ET20 Debub Shewa ET21 Debub Welo
DR DOMINICAN REPUBLIC DR01 Azua DR02 Baoruco	EG16 Aswan EG17 Asy ut EG18 Bani Suway f	ET22 Dire Dawa ET23 Gambela ET39 Gamo Gof a
DR03 Barahona DR04 Dajabon DR05 Distrito Nacional	EG19 Bur Said EG20 Dumy at EG26 Janub Sina'	ET40 Ilubabor ET41 Kefa ET24 Metekel
DR06 Duarte DR11 Elias Pina DR28 El Seibo	EG21 Matruh EG23 Qina EG27 Shamal Sina'	ET25 Mirab Gojam ET26 Mirab Harerge ET27 Mirab Shewa
DR08 Espaillat DR29 Hato Mayor DR09 Independencia DR10 La Altagracia	EG EL SALVADOR	ET28 Misrak Gojam ET29 Misrak Harerge ET30 Nazret ET31 Ogaden
DR12 La Romana DR30 La Vega DR14 Maria Trinidad Sanchez	ES01 Ahuachapan ES02 Cabanas ES03 Chalatenango	ET32 Omo ET33 Semen Gonder ET34 Semen Shewa
DR31 Monsenor Nouel DR15 Monte Cristi DR32 Monte Plata	ES04 Cuscatlan ES05 La Libertad ES06 La Paz	ET35 Semen Welo ET42 Sidamo ET37 Tigray
DR16 Pedernales DR17 Peravia DR18 Puerto Plata	ES07 La Union ES08 Morazan ES09 San Miguel	ET43 Welega EU EUROPA ISLAND
DR19 Salcedo DR20 Samana DR21 Sanchez Ramirez	ES10 San Salvador ES11 Santa Ana ES12 San Vicente ES13 Sonsonate	FK FALKLAND ISLANDS (ISLAS MALVINAS)
DR33 San Cristobal DR23 San Juan DR24 San Pedro De Macoris DR25 Santiago	ES14 Usulutan EK EQUATORIAL GUINEA	FO FAROE ISLANDS
DR26 Santiago Rodriguez DR27 Valverde	EK03 Annobon EK04 Bioko Norte EK05 Bioko Sur	FM FEDERATED STATES OF MICRONESIA FM03 Chuuk
EC ECUADOR EC02 Azuay EC03 Boliv ar	EK06 Centro Sur EK07 Kie-Ntem EK08 Litoral	FM01 Kosrae FM02 Pohnpei FM04 Yap

		00.40
FJ FIJI	GZ GAZA STRIP	GR42 Lakonia GR21 Larisa
FJ01 Central FJ02 Eastern	GZ GAZASIKIP	GR46 Lasithi
FJ03 Northern	GG GEORGIA	GR51 Lesvos
FJ04 Rotuma	00 020.10.11	GR26 Levkas
FJ05 Western	* GM GERMANY	GR24 Magnisia
* FI FINLAND	GM01 Baden-Wurttemberg	GR40 Messinia GR07 Pella
FIO1 Ahvenanmaa	GM02 Bay ern GM16 Berlin	GR16 Pieria
FI02 Hame	GM11 Brandenburg	GR19 Preveza
FI03 Keski-Suomi	GM03 Bremen	GR44 Rethimni
FI04 Kuopio	GM04 Hamburg	GR02 Rodhopi
FIOS Kymi	GM05 Hessen	GR48 Samos GR05 Serrai
FI06 Láppi FI07 Mikkeli	GM12 Mecklenburg-Vorpommern GM06 Niedersachsen	GR18 Thesprotia
FI08 Oulu	GM07 Nordrhein-Westfalen	GR13 Thessaloniki
FI09 Pohjois-Karjala	GM08 Rheinland-Pfalz	GR22 Trikala
FI10 Turku ja Pori	GM09 Saarland	GR33 Voiotia
FI11 Uusimaa	GM13 Sachsen	GR03 Xanthi GR28 Zakinthos
FI12 Vaasa	GM14 Sachsen-Anhalt	GN26 Zakintnos
* FR FRANCE	GM10 Schleswig-Holstein GM15 Thuringen	GL GREENLAND
FRC1 Alsace	Givi15 Tridinigen	GL01 Nordgronland
FR97 Aquitaine	* GH GHANA	GL02 Ostgronland
FR98 Auvergne	GH02 Ashanti	GL03 Vestgronland
FR99 Basse-Normandie	GH03 Brong-Ahaf o	GJ GRENADA
FRA1 Bourgogne FRA2 Bretagne	GH04 Central	GJ01 Saint Andrew
FRA3 Centre	GH05 Eastern GH01 Greater Accra	GJ02 Saint David
FRA4 Champagne-Ardenne	GH06 Northern	GJ03 Saint George
FRA5 Corse	GH10 Upper East	GJ04 Saint John
FRA6 Franche-Comte	GH11 Upper West	GJ05 Saint Mark
FRA7 Haute-Normandie	GH08 Volta	GJ06 Saint Patrick
FRA8 Ile-de-France FRA9 Languedoc-Roussillon	GH09 Western	GP GUADELOUPE
FRB1 Limousin	GI GIBRALTAR	
FRB2 Lorraine	o. o.b	GQ GUAM
FRB2 Lorraine FRB3 Midi-Py renees	GO GLORIOSO ISLANDS	
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais	GO GLORIOSO ISLANDS	GT GUATEMALA
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pay's de la Loire	GO GLORIOSO ISLANDS GR GREECE	GT GUATEMALA GT01 Alta Verapaz
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pay's de la Loire	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pay's de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pay's de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pay's de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Ev ritania	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT12 Peten
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Evritania GR01 Evros GR34 Evvoia GR08 Florina	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT11 Jutiapa GT12 Peten GT14 Quiche
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Ev ritania GR01 Ev ros GR34 Ev v oia GR08 Florina GR32 Fokis	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Provence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Ev ritania GR01 Ev ros GR34 Ev voia GR08 Florina GR32 Fokis GR29 Fthiotis	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Provence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire	GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Ev ritania GR01 Ev ros GR34 Ev voia GR08 Florina GR32 Fokis GR29 Fthiotis GR10 Grev ena	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire GB02 Haut-Ogooue	GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Ev ritania GR01 Ev ros GR34 Ev v oia GR08 Florina GR32 Fokis GR29 Fthiotis GR10 Grev ena GR39 Ilia GR12 Imathia	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos GT18 Santa Rosa
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire GB02 Haut-Ogooue GB03 Moy en-Ogooue GB04 Ngounie	GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Ev ritania GR01 Ev ros GR34 Ev v oia GR08 Florina GR09 Florina GR32 Fokis GR29 Fthiotis GR10 Grev ena GR39 Ilia GR12 Imathia GR17 Ioannina	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos GT18 Santa Rosa GT19 Solola
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire GB02 Haut-Ogooue GB03 Moy en-Ogooue GB04 Ngounie GB05 Ny anga	GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Evritania GR01 Evros GR34 Evvoia GR08 Florina GR32 Fokis GR29 Fthiotis GR10 Grev ena GR39 Ilia GR12 Imathia GR17 Ioannina GR45 Iraklion	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos GT18 Santa Rosa GT19 Solola GT20 Suchitepequez
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire GB02 Haut-Ogooue GB03 Moy en-Ogooue GB04 Ngounie GB05 Ny anga GB06 Ogooue-Iv indo	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Evritania GR01 Evros GR34 Evvoia GR38 Florina GR32 Fokis GR29 Fthiotis GR10 Grevena GR39 Ilia GR12 Imathia GR17 Ioannina GR45 Iraklion GR23 Kardhitsa	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos GT18 Santa Rosa GT19 Solola GT20 Suchitepequez GT21 Totonicapan
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire GB02 Haut-Ogooue GB03 Moy en-Ogooue GB04 Ngounie GB05 Ny anga GB06 Ogooue-Iv indo GB07 Ogooue-Lolo	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Evritania GR01 Evros GR34 Evvoia GR08 Florina GR32 Fokis GR29 Fthiotis GR10 Grevena GR39 Ilia GR112 Imathia GR17 Ioannina GR45 Iraklion GR23 Kardhitsa GR09 Kastoria	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos GT18 Santa Rosa GT19 Solola GT20 Suchitepequez GT21 Totonicapan GT22 Zacapa
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire GB02 Haut-Ogooue GB03 Moy en-Ogooue GB04 Ngounie GB05 Ny anga GB06 Ogooue-Iv indo	GO GLORIOSO ISLANDS GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Ev ritania GR01 Ev ros GR34 Ev voia GR08 Florina GR32 Fokis GR29 Fthiotis GR29 Fthiotis GR10 Grev ena GR39 Ilia GR12 Imathia GR11 Ioannina GR45 Iraklion GR23 Kardhitsa GR09 Kastoria GR09 Kastoria GR14 Kav ala GR27 Kef allinia	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos GT18 Santa Rosa GT19 Solola GT20 Suchitepequez GT21 Totonicapan
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire GB02 Haut-Ogooue GB03 Moy en-Ogooue GB04 Ngounie GB05 Ny anga GB06 Ogooue-Iv indo GB07 Ogooue-Lolo GB08 Ogooue-Maritime GB09 Woleu-Ntem	GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Evritania GR01 Evros GR34 Evvoia GR32 Fokis GR29 Fthiotis GR29 Fthiotis GR10 Grevena GR39 Ilia GR11 Imathia GR17 Ioannina GR45 Iraklion GR23 Kardhitsa GR09 Kastoria GR09 Kastoria GR09 Kastoria GR14 Kavala GR27 Kefallinia GR25 Kerkira	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos GT18 Santa Rosa GT19 Solola GT20 Suchitepequez GT21 Totonicapan GT22 Zacapa GK GUERNSEY
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire GB02 Haut-Ogooue GB03 Moy en-Ogooue GB03 Moy en-Ogooue GB04 Ngounie GB05 Ny anga GB06 Ogooue-Iv indo GB07 Ogooue-Lolo GB08 Ogooue-Maritime GB09 Woleu-Ntem GA GAMBIA, THE	GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Evritania GR01 Evros GR34 Evvoia GR08 Florina GR32 Fokis GR29 Fthiotis GR29 Fthiotis GR10 Grevena GR39 Ilia GR11 Imathia GR11 Ioannina GR45 Iraklion GR23 Kardhitsa GR09 Kastoria GR14 Kavala GR27 Kefallinia GR25 Kerkira GR15 Khalkidhiki	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos GT18 Santa Rosa GT19 Solola GT20 Suchitepequez GT21 Totonicapan GT22 Zacapa GK GUERNSEY GV GUINEA
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire GB02 Haut-Ogooue GB03 Moy en-Ogooue GB04 Ngounie GB05 Ny anga GB06 Ogooue-Iv indo GB07 Ogooue-Maritime GB09 Woleu-Ntem GA GAMBIA, THE GA01 Banjul	GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Evritania GR01 Evros GR34 Evvoia GR35 Florina GR32 Fokis GR29 Fthiotis GR29 Fthiotis GR10 Grevena GR39 Ilia GR12 Imathia GR11 Ioannina GR45 Iraklion GR23 Kardhitsa GR09 Kastoria GR14 Kavala GR27 Kefallinia GR25 Kerkira GR15 Khalkidhiki GR43 Khania	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos GT18 Santa Rosa GT19 Solola GT20 Suchitepequez GT21 Totonicapan GT22 Zacapa GK GUERNSEY GV GUINEA GV01 Bey la
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire GB02 Haut-Ogooue GB03 Moy en-Ogooue GB04 Ngounie GB05 Ny anga GB06 Ogooue-Iv indo GB07 Ogooue-Lolo GB08 Ogooue-Maritime GB09 Woleu-Ntem GA GAMBIA, THE GA01 Banjul GA02 Lower Riv er	GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Evritania GR01 Evros GR34 Evvoia GR08 Florina GR32 Fokis GR29 Fthiotis GR29 Fthiotis GR10 Grevena GR39 Ilia GR11 Imathia GR11 Ioannina GR45 Iraklion GR23 Kardhitsa GR09 Kastoria GR14 Kavala GR27 Kefallinia GR25 Kerkira GR15 Khalkidhiki	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos GT18 Santa Rosa GT19 Solola GT20 Suchitepequez GT21 Totonicapan GT22 Zacapa GK GUERNSEY GV GUINEA GV01 Bey la GV02 Boffa GV03 Boke
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire GB02 Haut-Ogooue GB03 Moy en-Ogooue GB04 Ngounie GB05 Ny anga GB06 Ogooue-Iv indo GB07 Ogooue-Maritime GB09 Woleu-Ntem GA GAMBIA, THE GA01 Banjul	GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Ev ritania GR01 Ev ros GR34 Ev v oia GR32 Fokis GR29 Fthiotis GR10 Grev ena GR39 Ilia GR12 Imathia GR17 Ioannina GR45 Iraklion GR23 Kardhitsa GR09 Kastoria GR14 Kav ala GR27 Kef allinia GR25 Kerkira GR15 Khalkidhiki GR43 Khania GR43 Khania GR50 Khios	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos GT18 Santa Rosa GT19 Solola GT20 Suchitepequez GT21 Totonicapan GT22 Zacapa GK GUERNSEY GV GUINEA GV01 Bey la GV02 Boffa GV03 Boke GV04 Conakry
FRB2 Lorraine FRB3 Midi-Py renees FRB4 Nord-Pas-de-Calais FRB5 Pays de la Loire FRB6 Picardie FRB7 Poitou-Charentes FRB8 Prov ence-Alpes-Cote d'Azur FRB9 Rhone-Alpes FG FRENCH GUIANA FP FRENCH POLYNESIA FS FRENCH SOUTHERN AND ANTARCTIC LANDS GB GABON GB01 Estuaire GB02 Haut-Ogooue GB03 Moy en-Ogooue GB04 Ngounie GB05 Ny anga GB06 Ogooue-Iv indo GB07 Ogooue-Lolo GB08 Ogooue-Maritime GB09 Woleu-Ntem GA GAMBIA, THE GA01 Banjul GA02 Lower Riv er GA03 MacCarthy Island	GR GREECE GR31 Aitolia kai Akarnania GR38 Akhaia GR36 Argolis GR41 Arkadhia GR20 Arta GR35 Attiki GR47 Dhodhekanisos GR04 Drama GR30 Evritania GR01 Evros GR34 Evvoia GR32 Fokis GR29 Fthiotis GR10 Grev ena GR39 Ilia GR12 Imathia GR17 Ioannina GR45 Iraklion GR23 Kardhitsa GR09 Kastoria GR14 Kavala GR27 Kefallinia GR25 Kerkira GR15 Khalkidhiki GR43 Khania GR50 Khios GR49 Kikladhes	GT GUATEMALA GT01 Alta Verapaz GT02 Baja Verapaz GT03 Chimaltenango GT04 Chiquimula GT05 El Progreso GT06 Escuintla GT07 Guatemala GT08 Huehuetenango GT09 Izabal GT10 Jalapa GT11 Jutiapa GT11 Jutiapa GT12 Peten GT14 Quiche GT13 Quetzaltenango GT15 Retalhuleu GT16 Sacatepequez GT17 San Marcos GT18 Santa Rosa GT19 Solola GT20 Suchitepequez GT21 Totonicapan GT22 Zacapa GK GUERNSEY GV GUINEA GV01 Bey la GV02 Boffa GV03 Boke

GV07	Dinguiray e	HO08 Francisco Morazan	IC13 Isafjordur
GV08	Dubreka	HO09 Gracias a Dios	IC14 Keflavik
	Faranah	HO10 Intibuca	IC15 Kjosarsysla
			IC16 Kopovogur
	Forecariah		IC16 Kopav ogur
GV11	Fria	HO12 La Paz	IC17 My rasy sla
	Gaoual	HO13 Lempira	IC18 Neskaupstadur
GV13	Gueckedou	HO14 Ocotepeque	IC19 Nordur-Ísafjardarsysla
GV14	Kankan	HO15 Olancho	IC20 Nordur-Mulasysla
	Kerouane	HO16 Santa Barbara	IC21 Nordur-Tingey jarsy sla
	Kindia	HO17 Valle	IC22 Olaf sf jordur
	Kissidougou	HO18 Yoro	IC23 Rangarv allasy sla
GV17		11016 1010	1023 Rangary anasy sia
GV18	Koundara		IC24 Rey kjav ik
	Kouroussa	HK HONG KONG	IC25 Saudarkrokur
GV20	Labe		IC26 Sey disfjordur
GV21	Macenta	HQ HOWLAND ISLAND	IC27 Siglufjordur
GV22	Mali		IC28 Skagafjardarsysla
GV23	Mamou	* HU HUNGARY	IC29 Snaf ellsnes- og
GV24	Nzerekore		Hnappadalssy sla
GV25		HU01 Bacs-Kiskun	IC30 Strandasysla
		HU02 Barany a	1030 Stratiuasysia
GV26	<u>Şiguiri</u>	HU03 Bekes	IC31 Sudur-Mulasysla
GV27	Telimele	HU26 Bekescsaba	IC32 Sudur-Tingey jarsy sla
GV28	Tougue	HU04 Borsod-Abauj-Zemplen	IC33 Vestmannaeyjar
GV29	Yomou	HU05 Budapest	IC34 Vestur-Bardastrandarsy sla
		HU06 Csongrad	IC35 Vestur-Hunavatnssysla
PU (GUINEA-BISSAU		IC36 Vestur-Isafjardarsysla
	Bafata	HU07 Debrecen	IC37 Vestur-Skaftafellssysla
		HU27 Dunaujv aros	1001 Vestur-Skartarenssysia
	Biombo	HU28 Eger	* 131 131514
	Bissau	HU08 Fĕjer	* IN INDIA
	Bolama	HU25 Gy [°] or	IN01 Andaman and Nicobar
PU06	Cacheu	HU09 Gy or-Moson-Sopron	Islands
	Gabu	HU10 Hajdu-Bihar	IN02 Andhra Pradesh
PU04		HU11 Heves	IN30 Arunachal Pradesh
	Quinara		IN03 Assam
	Tombali	HU29 Hodmezov asarhely	
F001	TOTTDAII	HU20 Jasz-Nagy kun-Szólnok	IN04 Bihar
		HU30 Kaposvar	IN05 Chandigarh
	GUYANA	HU31 Kecskemet	IN06 Dadra and Nagar Haveli
01/40	Parima Maini		
GY 10	Dalilla-vvallli	HII12 Komarom-Eszterdom	IN32 Daman and Diu
	Barima-Waini Cuv uni-Mazaruni	HU12 Komarom-Esztergom	
GY11	Cuy uni-Mazaruni	HU13 Miskolc	IN07 Delhi
GY11 GY12	Cuy uni-Mazaruni Demerara-Mahaica	HU13 Miskolc HU32 Nagy kanizsa	IN07 Delhi IN33 Goa
GY11 GY12 GY13	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd	IN07 Delhi IN33 Goa IN09 Gujarat
GY11 GY12 GY13 GY14	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Haryana
GY11 GY12 GY13 GY14 Demera	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh
GY11 GY12 GY13 GY14 Demera GY15	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir
GY11 GY12 GY13 GY14 Demera GY15 GY16	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka
GY11 GY12 GY13 GY14 Demera GY15 GY16	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Haryana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhya Pradesh
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Haryana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09 HA10	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Haryana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09 HA10 HA03	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU24 Zala	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09 HA10 HA03 HA11	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09 HA10 HA03 HA11 HA12	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU39 Zalaegerszeg	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09 HA10 HA03 HA11 HA12	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU34 Zala HU40 Zalaegerszeg	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09 HA10 HA03 HA11 HA12 HA13	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud Sud-Est	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU39 Veszprem HU34 Zala HU40 Zalaegerszeg IC ICELAND IC01 Akranes	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura IN27 Uttar Pradesh
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09 HA10 HA03 HA11 HA12 HA13	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU39 Veszprem HU34 Zala HU40 Zalaegerszeg IC ICELAND IC01 Akranes	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA HA06 HA07 HA08 HA09 HA10 HA03 HA11 HA12 HA13	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud Sud-Est HEARD ISLAND AND	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU39 Zala HU40 Zalaegerszeg IC ICELAND IC01 Akranes IC02 Akurey ri	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura IN27 Uttar Pradesh
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA HA06 HA07 HA08 HA09 HA10 HA03 HA11 HA12 HA13	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud Sud-Est	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU39 Zalaegerszeg IC ICELAND IC01 Akranes IC02 Akurey ri IC03 Arnessy sla	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Haryana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura IN27 Uttar Pradesh IN28 West Bengal
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA HA07 HA08 HA09 HA10 HA03 HA11 HA12 HA13	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud Sud-Est HEARD ISLAND AND IALD ISLANDS	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU39 Vas HU24 Zala HU40 Zalaegerszeg IC ICELAND IC01 Akranes IC02 Akurey ri IC03 Arnessy sla IC04 Austur-Bardastrandarsy sla	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Haryana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura IN27 Uttar Pradesh IN28 West Bengal
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09 HA10 HA03 HA11 HA12 HA13 HM H MCDON	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HAITI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud Sud-Est HEARD ISLAND AND IALD ISLANDS HONDURAS	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU39 Veszprem HU40 Zalaegerszeg IC ICELAND ICO1 Akranes ICO2 Akurey ri ICO3 Arnessy sla ICO4 Austur-Bardastrandarsy sla ICO4 Austur-Hunav atnssy sla	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Haryana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN14 Lakshadweep IN15 Madhya Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalaya IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura IN27 Uttar Pradesh IN28 West Bengal ID INDONESIA ID01 Aceh
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GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09 HA10 HA03 HA11 HA12 HA13 HM H MCDON	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HAITI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud Sud-Est HEARD ISLAND AND IALD ISLANDS HONDURAS Atlantida Choluteca	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU39 Veszprem HU40 Zalaegerszeg IC ICELAND IC01 Akranes IC02 Akurey ri IC03 Arnessy sla IC04 Austur-Bardastrandarsy sla IC05 Austur-Hunav atnssy sla IC06 Austur-Skaf taf ellssy sla IC06 Austur-Skaf taf ellssy sla IC06 Borgarf jardarsy sla	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura IN27 Uttar Pradesh IN28 West Bengal ID INDONESIA ID01 Aceh ID02 Bali ID03 Bengkulu
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09 HA10 HA11 HA12 HA13 HM H MCDON HO HO01 HO02 HO03	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud Sud-Est HEARD ISLAND AND IALD ISLANDS HONDURAS Atlantida Choluteca Colon	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU40 Zalaegerszeg IC ICELAND IC01 Akranes IC02 Akurey ri IC03 Arnessy sla IC04 Austur-Bardastrandarsy sla IC05 Austur-Hunav atnssy sla IC06 Austur-Skaf taf ellssy sla IC07 Borgarf jardarsy sla IC07 Borgarf jardarsy sla IC07 Borgarf jardarsy sla IC08 Dalasy sla	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura IN27 Uttar Pradesh IN28 West Bengal ID INDONESIA ID01 Aceh ID02 Bali ID03 Bengkulu ID09 Irian Jay a
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09 HA10 HA11 HA12 HA13 HM H MCDON HO HO01 HO02 HO03	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud Sud-Est HEARD ISLAND AND IALD ISLANDS HONDURAS Atlantida Choluteca Colon	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU40 Zalaegerszeg IC ICELAND IC01 Akranes IC02 Akurey ri IC03 Arnessy sla IC04 Austur-Bardastrandarsy sla IC05 Austur-Hunav atnssy sla IC06 Austur-Skaf taf ellssy sla IC07 Borgarf jardarsy sla IC08 Dalasy sla IC08 Dalasy sla IC09 Ey jaf jardarsy sla	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura IN27 Uttar Pradesh IN28 West Bengal ID INDONESIA ID01 Aceh ID02 Bali ID03 Bengkulu ID09 Irian Jay a ID04 Jakarta Ray a
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA06 HA07 HA08 HA09 HA10 HA11 HA12 HA13 HM H MCDON HO HO01 HO02 HO03 HO04	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud Sud-Est HEARD ISLAND AND IALD ISLANDS HONDURAS Atlantida Choluteca Colon Comay agua	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU39 Vaszprem HU40 Zalaegerszeg IC ICELAND IC01 Akranes IC02 Akurey ri IC03 Arnessy sla IC04 Austur-Bardastrandarsy sla IC05 Austur-Hunav atnssy sla IC06 Botalasy sla IC07 Borgarf jardarsy sla IC08 Dalasy sla IC09 Ey jaf jardarsy sla IC09 Ey jaf jardarsy sla IC09 Ey jaf jardarsy sla IC01 Gullbringusy sla	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura IN27 Uttar Pradesh IN28 West Bengal ID INDONESIA ID01 Aceh ID02 Bali ID03 Bengkulu ID09 Irian Jaya ID04 Jakarta Raya ID05 Jambi
GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA HA06 HA07 HA08 HA09 HA10 HA01 HA01 HA11 HA12 HA13 HM H MCDON HO01 HO01 HO01 HO01 HO02 HO03 HO04 HO05	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud Sud-Est HEARD ISLAND AND IALD ISLANDS HONDURAS Atlantida Choluteca Colon Comay agua Copan	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU39 Vaszprem HU40 Zalaegerszeg IC ICELAND IC01 Akranes IC02 Akurey ri IC03 Arnessy sla IC04 Austur-Bardastrandarsy sla IC05 Austur-Hunav atnssy sla IC06 Botalasy sla IC07 Borgarf jardarsy sla IC08 Dalasy sla IC09 Ey jaf jardarsy sla IC09 Ey jaf jardarsy sla IC09 Ey jaf jardarsy sla IC01 Gullbringusy sla	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura IN27 Uttar Pradesh IN28 West Bengal ID INDONESIA ID01 Aceh ID02 Bali ID03 Bengkulu ID09 Irian Jay a ID04 Jakarta Ray a
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GY11 GY12 GY13 GY14 Demera GY15 GY16 GY17 GY18 GY19 Essequi HA HA06 HA07 HA08 HA09 HA10 HA01 HA01 HA11 HA12 HA13 HM H MCDON HO01 HO01 HO01 HO01 HO02 HO03 HO04 HO05	Cuy uni-Mazaruni Demerara-Mahaica East Berbice-Corenty ne Essequibo Islands-West ra Mahaica-Berbice Pomeroon-Supenaam Potaro-Siparuni Upper Demerara-Berbice Upper Takutu-Upper bo HATI Artibonite Centre Grand' Anse Nord Nord-Est Nord-Ouest Ouest Sud Sud-Est HEARD ISLAND AND IALD ISLANDS HONDUR AS Atlantida Choluteca Colon Comay agua Copan Cortes	HU13 Miskolc HU32 Nagy kanizsa HU14 Nograd HU33 Ny iregy haza HU15 Pecs HU16 Pest HU17 Somogy HU34 Sopron HU18 Szabolcs-Szatmar-Bereg HU19 Szeged HU35 Szekesf eherv ar HU36 Szolnok HU37 Szombathely HU38 Tatabany a HU21 Tolna HU22 Vas HU23 Veszprem HU39 Veszprem HU39 Veszprem HU39 Vaszprem HU40 Zalaegerszeg IC ICELAND IC01 Akranes IC02 Akurey ri IC03 Arnessy sla IC04 Austur-Bardastrandarsy sla IC05 Austur-Hunav atnssy sla IC06 Botalasy sla IC07 Borgarf jardarsy sla IC08 Dalasy sla IC09 Ey jaf jardarsy sla IC09 Ey jaf jardarsy sla IC09 Ey jaf jardarsy sla IC01 Gullbringusy sla	IN07 Delhi IN33 Goa IN09 Gujarat IN10 Hary ana IN11 Himachal Pradesh IN12 Jammu and Kashmir IN19 Karnataka IN13 Kerala IN14 Lakshadweep IN15 Madhy a Pradesh IN16 Maharashtra IN17 Manipur IN18 Meghalay a IN31 Mizoram IN20 Nagaland IN21 Orissa IN22 Pondicherry IN23 Punjab IN24 Rajasthan IN29 Sikkim IN25 Tamil Nadu IN26 Tripura IN27 Uttar Pradesh IN28 West Bengal ID INDONESIA ID01 Aceh ID02 Bali ID03 Bengkulu ID09 Irian Jaya ID04 Jakarta Raya ID05 Jambi

ID11	Kalimantan Barat	EI10 Galway	JA02 Akita
ID12		EI11 Kerry	JA03 Aomori
ID13	3	EI12 Kildare	JA04 Chiba
ID14	Kalimantan Timur	EI13 Kilkenny	JA05 Ehime
ID15	Lampung	EI15 Laois	JA06 Fukui
ID16	Maluku	EI14 Leitrim	JA07 Fukuoka
ID17			JA08 Fukushima
	Nusa Tenggara Barat	El16 Limerick	
ID18	Nusa Tenggara Timur	EI18 Longford	JA09 Gifu
ID19	Riau	El19 Louth	JA10 Gumma
ID20	Sulawesi Selatan	EI20 May o	JA11 Hiroshima
ID21	Sulawesi Tengah	El21 Meath	JA12 Hokkaido
ID22		El22 Monaghan	JA13 Hy ogo
ID23	Sulawesi Utara		JA14 Ibaraki
_	_	El23 Offaly	
ID24	Sumatera Barat	El24 Roscommon	JA15 Ishikawa
ID25	Sumatera Selatan	EI25 Sligo	JA16 Iwate
ID26	Sumatera Utara	EI26 Tipperary	JA17 Kagawa
ID27		El27 Waterford	JA18 Kagoshima
ID10		El29 Westmeath	JA19 Kanagawa
וטוטו	Yogyakarta		
		EI30 Wexford	JA20 Kochi
* IR	IRAN .	El31 Wicklow	JA21 Kumamoto
IR01	Azarbay jan-e Bakhtari		JA22 Ky oto
	Azarbay jan-e Khav ari	* IS ISRAEL	JA23 Mie
IR13		IS01 HaDarom	
IR22		IS02 HaMerkaz	JA25 Miyazaki
IR03	Chahar Mahall va Bakhtiari	IS03 HaZafon	JA26 Nagano
IR28	Esfahan	IS04 Hefa	JA27 Nagasaki
IR07	Fars	IS05 Tel Aviv	JA28 Nara
IR08	Gilan		JA29 Niigata
		IS06 Yerushalayim	JA30 Oita
IR09	Hamadan		
IR11	Hormozgan	* IT ITALY	JA31 Okayama
IR10	Ilam	IT01 Abruzzi	JA47 Okinawa
IR29	Kerman	IT02 Basilicata	JA32 Osaka
IR30			JA33 Saga
	Khorasan	IT03 Calabria	IA24 Coitama
IR15	Khuzestan	IT04 Campania	JA34 Saitama
IR05	Kohkiluy eh va Buy er Ahmadi	IT05 Emilia-Romagna	JA35 Shiga
IR16	Kordestan	IT06 Friuli-Venezia Giulia	JA36 Shimane
IR23		IT07 Lazio	JA37 Shizuoka
IR24			JA38 Tochigi
		IT08 Liguria	
IR17	Mazandaran	IT09 Lombardia	JA39 Tokushima
IR25		IT10 Marche	JA40 Toky o
IR04	Sistan va Baluchestan	IT11 Molise	JA41 Tottori
IR26	Tehran	IT12 Piemonte	JA42 Toyama
IR31	Yazd	IT13 Puglia	JA43 Wákayama
IR27	Zanjan		JA44 Yamagata
111/2/	Zanjan	IT14 Sardegna	
		IT15 Sicilia	
IZ II	RAQ	IT16 Toscana	JA46 Yamanashi
IZ01	Al Anbar	IT17 Trentino-Alto Adige	
IZ02	Al Basrah	IT18 Umbria	DQ JARVIS ISLAND
	Al Muthanna	IT19 Valle d'Aosta	
			JE JERSEY
	Al Qadisiyah	IT20 Veneto	JE JENSET
IZ1 <i>/</i>	An Najaf		
IZ11		*JM JAMAICA	JQ JOHNSTON ATOLL
	As Sulay maniy ah	JM01 Clarendon	-
	At Ta'mim	JM02 Hanover	JO JORDAN
	Babil		
1Z00		JM17 Kingston	JO02 Al Balqa'
		JM04 Manchester	JO09 Al Karak
	Dahuk	JM07 Portland	JO10 Al Mafraq
IZ09		JM08 Saint Andrew	JO11 'Amman [']
IZ10	Diy ala	JM09 Saint Ann	JO12 At Tafilah
			JUIL ALIAHAH
		IM10 Saint Cathoring	IO12 Az Zorgo
IZ12	Karbala'	JM10 Saint Catherine	JO13 Az Zarqa
IZ12 IZ14	Karbala' May san	JM11 Saint Elizabeth	JO14 Irbid
IZ12 IZ14 IZ15	Karbala' May san Ninawa	JM11 Saint Elizabeth JM12 Saint James	
IZ12 IZ14 IZ15 IZ18	Karbala' May san Ninawa Salah ad Din	JM11 Saint Elizabeth JM12 Saint James JM13 Saint Mary	JO14 Irbid
IZ12 IZ14 IZ15 IZ18	Karbala' May san Ninawa	JM11 Saint Elizabeth JM12 Saint James	JO14 Irbid JO07 Ma'an
IZ12 IZ14 IZ15 IZ18	Karbala' May san Ninawa Salah ad Din	JM11 Saint Elizabeth JM12 Saint James JM13 Saint Mary JM14 Saint Thomas	JO14 Irbid
IZ12 IZ14 IZ15 IZ18 IZ16	Karbala' Maysan Ninawa Salah ad Din Wasit	JM11 Saint Elizabeth JM12 Saint James JM13 Saint Mary JM14 Saint Thomas JM15 Trelawny	JO14 Irbid JO07 Ma'an JU JUAN DE NOVA ISLAND
IZ12 IZ14 IZ15 IZ18 IZ16	Karbala' May san Ninawa Salah ad Din Wasit	JM11 Saint Elizabeth JM12 Saint James JM13 Saint Mary JM14 Saint Thomas	JO14 Irbid JO07 Ma'an
IZ12 IZ14 IZ15 IZ18 IZ16 EI I	Karbala' May san Ninawa Salah ad Din Wasit RELAND Carlow	JM11 Saint Elizabeth JM12 Saint James JM13 Saint Mary JM14 Saint Thomas JM15 Trelawny JM16 Westmoreland	JO14 Irbid JO07 Ma'an JU JUAN DE NOVA ISLAND
IZ12 IZ14 IZ15 IZ18 IZ16 EI I EI01 EI02	Karbala' May san Ninawa Salah ad Din Wasit RELAND Carlow Cav an	JM11 Saint Elizabeth JM12 Saint James JM13 Saint Mary JM14 Saint Thomas JM15 Trelawny	JO14 Irbid JO07 Ma'an JU JUAN DE NOVA ISLAND KZ KAZAKHSTAN
IZ12 IZ14 IZ15 IZ18 IZ16 EI I EI01 EI02 EI03	Karbala' May san Ninawa Salah ad Din Wasit RELAND Carlow Cav an Clare	JM11 Saint Elizabeth JM12 Saint James JM13 Saint Mary JM14 Saint Thomas JM15 Trelawny JM16 Westmoreland	JO14 Irbid JO07 Ma'an JU JUAN DE NOVA ISLAND KZ KAZAKHSTAN KE KENYA
IZ12 IZ14 IZ15 IZ18 IZ16 EI I EI01 EI02 EI03	Karbala' May san Ninawa Salah ad Din Wasit RELAND Carlow Cav an	JM11 Saint Elizabeth JM12 Saint James JM13 Saint Mary JM14 Saint Thomas JM15 Trelawny JM16 Westmoreland JN JAN MAYEN	JO14 Irbid JO07 Ma'an JU JUAN DE NOVA ISLAND KZ KAZAKHSTAN KE KENYA KE01 Central
IZ12 IZ14 IZ15 IZ18 IZ16 EI I EI01 EI02 EI03 EI04	Karbala' May san Ninawa Salah ad Din Wasit RELAND Carlow Cav an Clare Cork	JM11 Saint Elizabeth JM12 Saint James JM13 Saint Mary JM14 Saint Thomas JM15 Trelawny JM16 Westmoreland JN JAN MAYEN * JA JAPAN	JO14 Irbid JO07 Ma'an JU JUAN DE NOVA ISLAND KZ KAZAKHSTAN KE KENYA KE01 Central KE02 Coast
IZ12 IZ14 IZ15 IZ18 IZ16 EI I EI01 EI02 EI03	Karbala' May san Ninawa Salah ad Din Wasit RELAND Carlow Cav an Clare Cork	JM11 Saint Elizabeth JM12 Saint James JM13 Saint Mary JM14 Saint Thomas JM15 Trelawny JM16 Westmoreland JN JAN MAYEN	JO14 Irbid JO07 Ma'an JU JUAN DE NOVA ISLAND KZ KAZAKHSTAN KE KENYA KE01 Central

KE05 Nairobi Area	Al Janub	LU LUXEMBOURG
KE06 North-Eastern	Ash Shamal	LU01 Diekirch
KE07 Ny anza	Bayrut	LU02 Grevenmacher
KE08 Rift Valley	Jabal Lubnan	
KE09 Western	Japai Lubilali	LU03 Luxembourg
KE09 Westelli	LT LECOTIO	MC MACALL
KO KINOMAN DEEE	LT LESOTHO	MC MACAU
KQ KINGMAN REEF	LT10 Berea	MC01 Ilhas
	LT11 Butha-Buthe	MC02 Macau
KR KIRIBATI	LT12 Leribe	
KR01 Gilbert Islands	LT13 Mafeteng	MK MACEDONIA
KR02 Line Islands	LT14 Maseru	
KR03 Phoenix Islands	LT15 Mohales Hoek	MA MADAGASCAR
	LT16 Mokhotlong	MA05 Antananarivo
KN KOREA, DEMOCRATIC	LT17 Qachas Nek	MA01 Antsiranana
PEOPLE'S REPUBLIC OF	LT18 Quthing	MA02 Fianarantsoa
	LT19 Thaba-Tseka	MA03 Mahajanga
KN01 Chagang-do	ETTO THADA TOOKA	, 0
KN16 Hamgy ong-bukto	LI LIBERIA	MA04 Toamasina
KN03 Hamgy ong-namdo		MA06 Toliara
KN07 Hwanghae-bukto	LI01 Bong	
KN06 Hwanghae-namdo	LI03 Grand Bassa	MI MALAWI
KN08 Kaesong-si	LI04 Grand Cape Mount	MI24 Blanty re
KN09 Kangwon-do	LI02 Grand Jide	MI02 Chikwawa
KN14 Namp'o-si	LI05 Lofa	MI03 Chiradzulu
KN11 P'y ongan-bukto	LI06 Mary land	MI04 Chitipa
KN15 P'y ongan-namdo	LI07 Monrovia	MI06 Dedza
KN12 P'y ongy ang-si	LI08 Montserrado	MI07 Dowa
KN13 Yanggang-do	LI09 Nimba	MI08 Karonga
Tario Tanggang do	LI10 Sino	MI09 Kasungu
* KS KOREA REPUBLIC OF	2110 01110	
•	LY LIBYA	
KS01 Cheju-do	LY 47 Ajdabiy a	MI10 Machinga
KS03 Cholla-bukto	LY 03 Al 'Aziziy ah	MI12 Mangochi
KS16 Cholla-namdo	•	MI13 Mchinji
KS05 Ch'ungch'ong-bukto	LY48 Al Fatih	MI14 Mulanje
KS17 Ch'ungch'ong-namdo	LY49 Al Jabal al Akhdar	MI25 Mwanza
KS12 Inch'on-jikhalsi	LY 05 Al Jufrah	MI15 Mzimba
KS06 Kangwon-do	LY50 Al Khums	MI17 Nkhata Bay
KS18 Kwangju-jikhalsi	LY08 Al Kufrah	MI18 Nkhotakota
KS13 Ky onggi-do	LY51 An Nuqat al Khams	MI19 Nsanje
KS14 Kyongsang-bukto	LY13 Ash Shati'	MI16 Ntcheu
KS08 Kyongsang-namdo	LY52 Awbari	MI20 Ntchisi
KS10 Pusan-jikhalsi	LY53 Az Zawiy ah	MI21 Rumphi
KS11 Soul-t'ukpy olsi	LY54 Banghazi	MI22 Salima
KS15 Taegu-jikhalsi	LY55 Darnah	MI05 Thy olo
KS19 Taejon-jikhalsi	LY56 Ghadamis	MI23 Zomba
1010 Tacjon jikhaisi	LY57 Gharyan	111120 Z011100
KU KUWAIT	13/50 14: 1	* MY MALAYSIA
Al Ahmadi	LY30 Murzug	
	LY34 Sabha	MY 01 Johor
Al Kuway t	LY59 Sawfajjin	MY 02 Kedah
Hawalli	LY60 Surt	MY 03 Kelantan
	LY61 Tarabulus	MY 15 Labuan
KG KYRGYZSTAN	LY41 Tarhunah	MY 04 Melaka
	LY42 Tubruq	MY 05 Negeri Sembilan
LA LAOS		MY06 Pahang
LA01 Attapu	LY62 Yafran	MY07 Perak
LA02 Champasak	LY45 Zlitan	MY08 Perlis
LA03 Houaphan		MY09 Pulau Pinang
LA04 Khammouan	LS LIECHTENSTEIN	MY16 Sabah
LA05 Louang Namtha	LS01 Balzers	MY11 Sarawak
LA06 Louangphrabang	LS02 Eschen	MY12 Selangor
LA07 Oudomxai	LS03 Gamprin	MY 13 Terengganu
LA08 Phongsali	LS04 Mauren	MY14 Wilayah Persekutuan
LA09 Saravan	LS05 Planken	-
LA10 Savannakhet	LS06 Ruggell	
LA11 Vientiane	LS07 Schaan	MV MALDIVES
LATT Vierniane LA13 Xaignabouri	LS08 Schellenberg	MV02 Aliff
	LS09 Triesen	MV20 Baa
LA14 Xiangkhoang	LS10 Triesenberg	MV17 Daalu
LC LATVIA	LS11 Vaduz	MV14 Faafu
LG LATVIA		MV27 Gaafu Aliff
LE LEDANCE	LH LITHUANIA	MV28 Gaafu Alli I
LE LEBANON		MV07 Haa Aliff
Al Biqa'		W. V. Haa / WIII

MV23 Haa Daalu	MX10 Durango	MO08 Chaouen
	MY44 Cuanaiyata	
MV26 Kaafu	MX11 Guanajuato	MO09 El Jadida
MV05 Laamu	MX12 Guerrero	MO10 El Kelaa des Srarhna
MV03 Laviyani	MX13 Hidalgo	MO11 Er Rachidia
MV12 Meemu	MX14 Jalisco	MO12 Essaouira
MV29 Naviyani	MX15 Mexico	MO13 Fes
MV25 Noonu	MX16 Michoacan de Ocampo	MO14 Figuig
MV13 Raa		MO33 Guelmim
MV01 Seenu	MX18 Nay arit	MO34 If rane
MV24 Shaviyani	MX18 Nayarit MX19 Nuevo Leon	MO15 Kenitra
MV08 Thaa	MAZU Caxaca	MO16 Khemisset
MV04 Waavu	MX21 Puebla	MO17 Khenif ra
	MX22 Queretaro de Arteaga	MO18 Khouribga
ML MALI	MX23 Quintana Roo	MO35 Laay oune
ML01 Bamako	MX24 San Luis Potosi	MO41 Larache
ML02 Gao	MX25 Sinaloa	MO19 Marrakech
ML03 Kayes	MX26 Sonora	MO20 Meknes
ML07 Koulikoro	MX27 Tabasco	MO21 Nador
ML04 Mopti	MX28 Tamaulipas	MO22 Ouarzazate
ML05 Segou	MX29 Tlaxcala	MO23 Oujda
ML06 Sikasso	MX30 Veracruz-Llave	MO24 Rabat-Sale
ML08 Tombouctou	MX31 Yucatan	MO25 Safi
	MX32 Zacatecas	MO26 Settat
MT MALTA		MO38 Sidi Kacem
	MQ MIDWAY ISLANDS	MO27 Tanger
IM MAN 10: 5 05	IIIDITALIOLAIDO	MO36 Tan-Tan
IM MAN, ISLE OF		
	MD MOLDOVA	
RM MARSHALLISLANDS		MO39 Taroudannt
	MN MONACO	MO29 Tata
* MB MARTINIQUE	MN01 La Condamine	MO30 Taza
IND INIAL HINIQUE	MN02 Monaco	MO40 Tetouan
	MN03 Monte-Carlo	MO32 Tiznit
MR MAURITANIA	WINOS WONE-Cano	
MR07 Adrar		MZ MOZAMBIQUE
MR03 Assaba	MG MONGOLIA	
MR05 Brakna	MG01 Arhangay	MZ01 Cabo Delgado
MR08 Dakhlet Nouadhibou	MG02 Bay anhongor	MZ02 Gaza
	MG03 Bay an-Olgiy	MZ03 Inhambane
MR04 Gorgol	MG03 Davail-Oldiv	
MR04 Gorgol	MG21 Bulgan	MZ10 Manica
MR10 Guidimaka	MG21 Bulgan	MZ04 Maputo
MR10 Guidimaka MR01 Hodh Ech Chargui	MG21 Bulgan MG05 Darhan	MZ04 Maputo
MR10 Guidimaka MR01 Hodh Ech Chargui MR02 Hodh El Gharbi	MG21 Bulgan MG05 Darhan MG06 Dornod	MZ04 Maputo MZ06 Nampula
MR10 Guidimaka MR01 Hodh Ech Chargui MR02 Hodh El Gharbi MR12 Inchiri	MG21 Bulgan MG05 Darhan MG06 Dornod MG07 Dornogovi	MZ04 Maputo MZ06 Nampula MZ07 Niassa
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	N720	Eltham	NZ92 Waimea
NR NAURU	NZ21	Eyre	NZ93 Waipa
NR01 Aiwo	NZ22	Featherston	NZ95 Waipawa
NR02 Anabar		Franklin_	NZ96 Waipukurau
NR03 Anetan		Golden Bay	NZ97 Wairarapa South
NR04 Anibare	NZ27 NZ28		NZ98 Wairewa
NR05 Baiti NR06 Boe	NZ20 NZ20	Hauraki Plains	NZ99 Wairoa NZA4 Waitaki
NR00 Boe NR07 Buada		Hawera	NZA6 Waitomo
NR08 Denigomodu	NZ31	Hawke's Bay	NZA8 Waitotara
NR09 Ewa	NZ32	Heathcote	NZE6 Wallace
NR10 ljuw	NZD9	Hikurangi	NZB2 Wanganui
NR11 Meneng		Hobson	NZE5 Waverley
NR12 Nibok	NZ34	Hokianga Horowhenua	NZB3 Westland NZB4 Whakatane
NR13 Uaboe NR14 Yaren		Hurunui	NZA1 Whangarei
MICIA Laten	NZ36		NZA2 Whangaroa
BQ NAVASSA ISLAND	NZ37	Inangahua	NZA3 Woodville
		Inglewood	
NP NEPAL		Kaikoura	NU NICARAGUA
NP01 Bagmati	NZ40 NZ41	Kairanga Kiwitea	NU01 Boaco
NP02 Bheri	NZ41		NU02 Carazo NU03 Chinandega
NP03 Dhawalagiri NP04 Gandaki		Mackenzie	NU04 Chontales
NP05 Janakpur	NZ46		NU05 Esteli
NP06 Karnali	NZE1	Manaia	NU06 Granada
NP07 Kosi	NZ47		NU07 Jinotega
NP08 Lumbini	NZ48	Mangonui Maniototo	NU08 Leon
NP09 Mahakali	NZ49 NZ50	Marlborough	NU09 Madriz NU10 Managua
NP10 Mechi NP11 Narayani	NZ51	Masterton	NU11 Masaya
NP11 Narayani NP12 Rapti		Matamata	NU12 Matagalpa
NP13 Sagarmatha	NZ53	Mount Herbert	NU13 Nueva Segovia
NP14 Seti		Ohinemuri	NU14 Rio San Juan
		Opotiki	NU15 Rivas
* NL NETHERLANDS	NZ57	Oroua Otamatea	NU16 Zelaya
NL01 Drenthe	NZ58		NG NIGER
NL12 Dronten NL02 Friesland		Oxford	NG01 Agadez
NL03 Gelderland	NZ60	Pahiatua	NG02 Diffa
NL04 Groningen		Paparua	NG03 Dosso
NL14 Lely stad		Patea	NG04 Maradi
NL05 Limburg	NZ65 NZ66	Pohangina	NG05 Niamey
NL06 Noord-Brabant	NZ67	Raglan	NG06 Tahoua NG07 Zinder
NL07 Noord-Holland NL08 Overijssel	NZ68	Rangiora	11001 Zilldel
NL09 Utrecht	NZ69	Rangitikei	NI NIGERIA
NL10 Zeeland	NZ70	Rodney	NI34 Abia
NL13 Zuidelijke IJsselmeerpolders	NZ/1	Rotorua	NI11 Abuja Capital Territory
NL11 Zuid-Holland	NZE2	Runanga Saint Kilda	NI35 Adamawa
	NZD5	Silv erpeaks	NI21 Akwa Ibom NI25 Anambra
NT NETHERLANDS ANTILLES	NZ72	Southland	NI25 Anambra NI06 Bauchi
NC NEW CALEDONIA	NZ73	Stewart Island	NI26 Benue
ILII JALLUUIIA		01-11-11	
		Stratf ord	NI27 Borno
* NZ NEW ZEALAND	NZD6	Stratford Strathallan	NI27 Borno NI22 Cross River
* NZ NEW ZEALAND NZ01 Akaroa	NZD6 NZ76	Stratford Strathallan Taranaki	NI27 Borno NI22 Cross River NI36 Delta
* NZ NEW ZEALAND NZ01 Akaroa NZ03 Amuri	NZD6 NZ76 NZ77	Stratford Strathallan Taranaki Taumarunui	NI27 Borno NI22 Cross River NI36 Delta NI37 Edo
NZ01 Akaroa NZ03 Amuri NZ04 Ashburton	NZD6 NZ76 NZ77 NZ78 NZ79	Stratford Strathallan Taranaki Taumarunui Taupo Tauranga	NI27 Borno NI22 Cross River NI36 Delta NI37 Edo NI38 Enugu
NZ01 Akaroa NZ03 Amuri NZ04 Ashburton NZ07 Bay of Islands	NZD6 NZ76 NZ77 NZ78 NZ79 NZE4	Stratf ord Strathallan Taranaki Taumarunui Taupo Tauranga Thames-Coromandel	NI27 Borno NI22 Cross River NI36 Delta NI37 Edo NI38 Enugu NI28 Imo
NZ01 Akaroa NZ03 Amuri NZ04 Ashburton NZ07 Bay of Islands NZ08 Bruce	NZD6 NZ76 NZ77 NZ78 NZ79 NZE4 NZ81	Stratf ord Strathallan Taranaki Taumarunui Taupo Tauranga Thames-Coromandel Tuapeka	NI27 Borno NI22 Cross River NI36 Delta NI37 Edo NI38 Enugu NI28 Imo NI39 Jigawa NI23 Kaduna
NZ01 Akaroa NZ03 Amuri NZ04 Ashburton NZ07 Bay of Islands NZ08 Bruce NZ09 Buller	NZD6 NZ76 NZ77 NZ78 NZ79 NZE4 NZ81 NZ82	Stratf ord Strathallan Taranaki Taumarunui Taupo Tauranga Thames-Coromandel Tuapeka Vincent	NI27 Borno NI22 Cross River NI36 Delta NI37 Edo NI38 Enugu NI28 Imo NI39 Jigawa NI23 Kaduna NI29 Kano
NZ01 Akaroa NZ03 Amuri NZ04 Ashburton NZ07 Bay of Islands NZ08 Bruce	NZD6 NZ76 NZ77 NZ78 NZ79 NZE4 NZ81 NZ82 NZ83	Stratf ord Strathallan Taranaki Taumarunui Taupo Tauranga Thames-Coromandel Tuapeka Vincent Waiapu	NI27 Borno NI22 Cross River NI36 Delta NI37 Edo NI38 Enugu NI28 Imo NI39 Jigawa NI23 Kaduna NI29 Kano NI24 Katsina
NZ01 Akaroa NZ03 Amuri NZ04 Ashburton NZ07 Bay of Islands NZ08 Bruce NZ09 Buller NZ10 Chatham Islands NZ11 Cheviot NZ12 Clifton	NZD6 NZ76 NZ77 NZ78 NZ79 NZE4 NZ81 NZ82 NZ83 NZD8	Stratf ord Strathallan Taranaki Taumarunui Taupo Tauranga Thames-Coromandel Tuapeka Vincent Waiapu Waiheke	NI27 Borno NI22 Cross River NI36 Delta NI37 Edo NI38 Enugu NI28 Imo NI39 Jigawa NI23 Kaduna NI29 Kano NI24 Katsina NI40 Kebbi
NZ01 Akaroa NZ03 Amuri NZ04 Ashburton NZ07 Bay of Islands NZ08 Bruce NZ09 Buller NZ10 Chatham Islands NZ11 Cheviot NZ12 Clifton NZ13 Clutha	NZD6 NZ76 NZ77 NZ78 NZ79 NZE4 NZ81 NZ82 NZ83 NZD8 NZB4	Stratf ord Strathallan Taranaki Taumarunui Taupo Tauranga Thames-Coromandel Tuapeka Vincent Waiapu	NI27 Borno NI22 Cross River NI36 Delta NI37 Edo NI38 Enugu NI28 Imo NI39 Jigawa NI23 Kaduna NI29 Kano NI24 Katsina NI40 Kebbi NI41 Kogi
NZ01 Akaroa NZ03 Amuri NZ04 Ashburton NZ07 Bay of Islands NZ08 Bruce NZ09 Buller NZ10 Chatham Islands NZ11 Cheviot NZ12 Clif ton NZ13 Clutha NZ14 Cook	NZD6 NZ76 NZ77 NZ78 NZ79 NZE4 NZ81 NZ82 NZ83 NZ83 NZ84 NZ84 NZ85 NZ86	Stratf ord Strathallan Taranaki Taumarunui Taupo Tauranga Thames-Coromandel Tuapeka Vincent Waiapu Waiheke Waihemo Waikato Waikohu	NI27 Borno NI22 Cross River NI36 Delta NI37 Edo NI38 Enugu NI28 Imo NI39 Jigawa NI23 Kaduna NI29 Kano NI24 Katsina NI40 Kebbi NI41 Kogi NI30 Kwara
NZ01 Akaroa NZ03 Amuri NZ04 Ashburton NZ07 Bay of Islands NZ08 Bruce NZ09 Buller NZ10 Chatham Islands NZ11 Cheviot NZ12 Clif ton NZ13 Clutha NZ14 Cook NZ16 Dannevirke	NZD6 NZ76 NZ77 NZ78 NZ79 NZE4 NZ81 NZ82 NZ83 NZD8 NZD8 NZB4 NZ85 NZ86 NZ88	Stratf ord Strathallan Taranaki Taumarunui Taupo Tauranga Thames-Coromandel Tuapeka Vincent Waiapu Waiheke Waihemo Waikato Waikohu Waimairi	NI27 Borno NI22 Cross River NI36 Delta NI37 Edo NI38 Enugu NI28 Imo NI39 Jigawa NI23 Kaduna NI29 Kano NI24 Katsina NI40 Kebbi NI41 Kogi NI30 Kwara NI05 Lagos NI31 Niger
NZ01 Akaroa NZ03 Amuri NZ04 Ashburton NZ07 Bay of Islands NZ08 Bruce NZ09 Buller NZ10 Chatham Islands NZ11 Cheviot NZ12 Clifton NZ13 Clutha NZ14 Cook NZ16 Dannevirke NZ17 Egmont	NZD6 NZ76 NZ77 NZ78 NZ79 NZE4 NZ81 NZ82 NZ83 NZD8 NZ84 NZ84 NZ85 NZ86 NZ88 NZ88	Stratf ord Strathallan Taranaki Taumarunui Taupo Tauranga Thames-Coromandel Tuapeka Vincent Waiapu Waiheke Waihemo Waikato Waikohu Waimairi Waimarino	NI27 Borno NI22 Cross River NI36 Delta NI37 Edo NI38 Enugu NI28 Imo NI39 Jigawa NI23 Kaduna NI29 Kano NI24 Katsina NI40 Kebbi NI41 Kogi NI30 Kwara NI05 Lagos NI31 Niger NI16 Ogun
NZ01 Akaroa NZ03 Amuri NZ04 Ashburton NZ07 Bay of Islands NZ08 Bruce NZ09 Buller NZ10 Chatham Islands NZ11 Cheviot NZ12 Clif ton NZ13 Clutha NZ14 Cook NZ16 Dannevirke	NZD6 NZ76 NZ77 NZ78 NZ79 NZE4 NZ81 NZ82 NZ83 NZD8 NZ84 NZ84 NZ85 NZ86 NZ86 NZ88 NZ88 NZ89 NZ90	Stratf ord Strathallan Taranaki Taumarunui Taupo Tauranga Thames-Coromandel Tuapeka Vincent Waiapu Waiheke Waihemo Waikato Waikohu Waimairi	NI27 Borno NI22 Cross River NI36 Delta NI37 Edo NI38 Enugu NI28 Imo NI39 Jigawa NI23 Kaduna NI29 Kano NI24 Katsina NI40 Kebbi NI41 Kogi NI30 Kwara NI05 Lagos NI31 Niger

NI42 Osun	PP02 Gulf	RPA1	Angeles
NI32 Oyo	PP12 Madang		Antique
NI19 Plateau	PP13 Manus		Aurora
NI10 Rivers	PP03 Milne Bay	RPA2	
NI33 Sokoto	PP14 Morobe	RPA3	
NI43 Taraba	PP20 National Capital	RPA4	Baguio
NI44 Yobe	PP15 New Ireland	RPA5	Bais
	PP04 Northern	RP22	
NE NIUE	PP07 North Solomons	RPA6	
	PP18 Sandaun	RP07	
NF NORFOLK ISLAND	PP05 Southern Highlands		Batanes
	PP06 Western	RP09	3
CQ NORTHERN MARIANA	PP16 Western Highlands	RPA7	Batangas City
ISLANDS	PP17 West New Britain	RP10	
102/1100		RP11	
* NO NORWAY	PF PARACEL ISLANDS		Bukidnon
NO01 Akershus			Bulacan
NO02 Aust-Agder	PA PARAGUAY		Butuan
NO04 Buskerud	PA18 Alto Paraguay		Cabanatuan
NO05 Finnmark	PA01 Alto Parana	RPB1	
NO06 Hedmark	PA02 Amambay	RF14	Cagayan do Oro
NO07 Hordaland	PA03 Boqueron	RFD2	Cagay an de Oro Calbay og
NO08 More og Romsdal	PA04 Caaguazu	DDD1	Caloocan
NO09 Nordland	PA05 Caazapa		Camarines Norte
NO10 Nord-Trondelag	PA19 Canindey u		Camarines None
NO11 Oppland	PA06 Central PA20 Chaco	RP17	Camiguin
NO12 Oslo	PA07 Concepcion	RPB5	Canlaon
NO13 Ostfold	PA08 Cordillera	RP18	Capiz
NO14 Rogaland	PA10 Guaira	RP19	Catanduanes
NO15 Sogn og Fjordane	PA11 Itapua		Cavite
NO16 Sor-Trondelag NO17 Telemark	PA12 Misiones	RPB6	Cavite City
NO17 Telemark NO18 Troms	PA13 Neembucu	RP21	Cebu
NO19 Vest-Agder	PA21 Nueva Asuncion		Cebu City
NO20 Vestfold	PA15 Paraguari	RPB8	
	PA16 Presidente Hayes	RPB9	
	PA16 Presidente Hayes PA17 San Pedro	RPC1	Danao
MU OMAN	PA17 San Pedro	RPC1 RPC2	Danao Dapitan
MU OMAN	PA17 San Pedro PE PERU	RPC1 RPC2 RP24	Danao Dapitan Davao
MU OMAN PK PAKISTAN	PA17 San Pedro PE PERU PE01 Amazonas	RPC1 RPC2 RP24 RPC3	Danao Dapitan Davao Davao City
MU OMAN PK PAKISTAN PK06 Azad Kashmir	PA17 San Pedro PE PERU PE01 Amazonas PE02 Ancash	RPC1 RPC2 RP24 RPC3 RP25	Danao Dapitan Davao Davao City Davao del Sur
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan	PA17 San Pedro PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac	RPC1 RPC2 RP24 RPC3 RP25 RP26	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan	PA17 San Pedro PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC4	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered	PA17 San Pedro PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ay acucho	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC4 RPC5	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad	PA17 San Pedro PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ay acucho PE06 Cajamarca	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC4 RPC5 RPC3	Danao Dapitan Davao Davao City Davao del Sur Davao Oriental Dipolog Dumaguete Eastern Samar
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas	PA17 San Pedro PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ay acucho PE06 Cajamarca PE07 Callao	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC4 RPC5 RPC3	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier	PA17 San Pedro PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC4 RPC5 RP23 RPC6	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab	PA17 San Pedro PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC4 RPC5 RPC3 RPC6 RPC7 RP27	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier	PA17 San Pedro PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ay acucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC5 RPC5 RPC7 RPC7 RPC7 RPC7 RPC8 RP28	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh	PA17 San Pedro PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ay acucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC4 RPC5 RP23 RPC6 RPC7 RP27 RP28 RP28 RP28	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab	PA17 San Pedro PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ay acucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC4 RPC5 RPC7 RPC7 RPC7 RPC8 RPC8 RP28 RP29 RP30	Danao Danitan Davao Davao City Davao del Sur Davao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC5 RPC3 RPC7 RPC7 RPC8 RP27 RPC8 RP28 RP29 RP30 RPC9	Danao Danitan Davao Davao City Davao del Sur Davao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocilo Iloilo Iloilo City
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYR A ATOLL * PM PANAMA	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ay acucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC5 RPC3 RPC7 RPC7 RPC8 RP28 RP28 RP29 RP30 RPC9 RPD1	Danao Danitan Davao Davao City Davao del Sur Davao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC4 RPC5 RPC7 RPC7 RPC8 RP29 RP29 RP30 RPC9 RPD1 RP31	Danao Danitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga Isabela
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC4 RPC5 RPC7 RPC7 RPC8 RP29 RP29 RP30 RPC9 RPD1 RP31 RP31	Danao Danitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga Isabela Kalinga-Apay ao
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC4 RPC5 RP23 RPC6 RPC7 RP27 RPC8 RP28 RP29 RP30 RPC9 RPC9 RPC9 RPC9 RPC9 RPC9 RPC9 RPC9	Danao Danitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga Isabela Kalinga-Apay ao La Carlota
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle PM04 Colon	PA17 San Pedro PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua PE19 Pasco	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC4 RPC5 RPC7 RPC7 RPC8 RP27 RPC8 RP29 RP30 RPC9 RPC9 RP31 RP31 RP32 RPD2 RP33	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga Isabela Kalinga-Apay ao La Carlota Laguna
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle PM04 Colon PM05 Darien	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ay acucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua PE19 Pasco PE20 Piura	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC5 RPC7 RPC7 RPC8 RP29 RP20 RPC9 RPD1 RP31 RP31 RP32 RPD2 RPD2 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga Isabela Kalinga-Apay ao La Carlota Laguna Lanao del Norte
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle PM04 Colon	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ay acucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE11 Ica PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua PE19 Pasco PE20 Piura PE21 Puno	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC5 RPC7 RPC7 RPC7 RPC8 RP29 RP29 RP29 RPD1 RP31 RP32 RPD2 RPD2 RPD3 RPD2 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3	Danao Danitan Davao Davao City Davao del Sur Davao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga Isabela Kalinga-Apayao La Carlota Laguna Lanao del Norte Lanao del Sur
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MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle PM04 Colon PM05 Darien PM06 Herrera PM07 Los Santos	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua PE19 Pasco PE20 Piura PE21 Puno PE22 San Martin PE23 Tacna	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC5 RPC7 RPC7 RPC7 RPC8 RP29 RPD1 RP31 RP31 RP32 RPD2 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3	Danao Danitan Davao Davao City Davao del Sur Davao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga Isabela Kalinga-Apayao La Carlota Laguna Lanao del Norte Lanao del Sur
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MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle PM04 Colon PM05 Darien PM06 Herrera PM07 Los Santos PM08 Panama PM09 San Blas PM10 Veraguas	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua PE19 Pasco PE20 Piura PE21 Puno PE22 San Martin PE23 Tacna	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC5 RPC7 RPC8 RPC7 RPC8 RP29 RP30 RPD1 RP31 RP31 RP32 RPD2 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo City Iriga Isabela Kalinga-Apay ao La Carlota Laguna Lanao del Norte Lanao del Sur Laoag Lapu-Lapu La Union Legaspi Ley te
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle PM04 Colon PM05 Darien PM06 Herrera PM07 Los Santos PM08 Panama PM09 San Blas PM10 Veraguas PP PAPUA NEW GUINEA	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua PE19 Pasco PE20 Piura PE21 Puno PE22 San Martin PE23 Tacna PE24 Tumbes PE25 Ucay ali	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC5 RPC7 RP27 RPC8 RP29 RP30 RPD1 RP31 RP31 RP32 RPD2 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo City Iriga Isabela Kalinga-Apay ao La Carlota Laguna Lanao del Norte Lanao del Sur Laoag Lapu-Lapu La Union Legaspi Ley te Lipa
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle PM04 Colon PM05 Darien PM06 Herrera PM07 Los Santos PM08 Panama PM09 San Blas PM10 Veraguas PP PAPUA NEW GUINEA PP01 Central	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua PE19 Pasco PE20 Piura PE21 Puno PE22 San Martin PE23 Tacna PE24 Tumbes PE25 Ucay ali RP PHILIPPINES	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC5 RPC5 RPC7 RPC8 RP27 RPC8 RP29 RP30 RPC9 RPD1 RP31 RP32 RPD2 RPD3 RPD3 RPD4 RPD5 RPD5 RPD7 RPD6 RPD7	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga Isabela Kalinga-Apay ao La Carlota Laguna Lanao del Norte Lanao del Sur Laoag Lapu-Lapu La Union Legaspi Ley te Lipa Lucena
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle PM04 Colon PM05 Darien PM06 Herrera PM07 Los Santos PM08 Panama PM09 San Blas PM10 Veraguas PP PAPUA NEW GUINEA PP01 Central PP08 Chimbu	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua PE19 Pasco PE20 Piura PE21 Puno PE22 San Martin PE23 Tacna PE24 Tumbes PE25 Ucay ali RP PHILIPPINES RP01 Abra	RPC1 RPC2 RP24 RPC3 RP25 RP26 RPC5 RPC7 RPC7 RPC8 RPC9 RP29 RP29 RP29 RP29 RP31 RP31 RP32 RP35 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3	Danao Dapitan Davao Davao City Davao del Sur Davao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga Isabela Kalinga-Apayao La Carlota Laguna Lanao del Norte Lanao del Sur Laoag Lapu-Lapu La Union Legaspi Ley te Lipa Lucena Maguindanao
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle PM04 Colon PM05 Darien PM06 Herrera PM07 Los Santos PM08 Panama PM09 San Blas PM10 Veraguas PP PAPUA NEW GUINEA PP01 Central PP08 Chimbu PP09 Eastern Highlands	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ay acucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua PE19 Pasco PE20 Piura PE21 Puno PE22 San Martin PE23 Tacna PE24 Tumbes PE25 Ucay ali RP PHILIPPINES RP01 Abra RP02 Agusan del Norte RP03 Agusan del Sur	RPC1 RPC2 RPC3 RP25 RP26 RPC5 RPC6 RPC7 RPC7 RPC8 RP29 RP20 RP21 RP31 RP31 RP32 RP33 RPD3 RPD3 RPD3 RPD3 RPD6 RPD6 RPD7 RPD6 RPD7 RPD6 RPD7 RPD6 RPD7 RPD6 RPD7 RPD6 RPD7 RPD6 RPD7 RPD6 RPD7 RPD6 RPD7 RPD6 RPD7 RPD6 RPD6 RPD6 RPD6 RPD6 RPD6 RPD6 RPD6	Danao Dapitan Davao Davao City Davao del Sur Davao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga Isabela Kalinga-Apayao La Carlota Laguna Lanao del Norte Lanao del Sur Laoag Lapu-Lapu La Union Legaspi Leyte Lipa Lucena Maguindanao Mandaue
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle PM04 Colon PM05 Darien PM06 Herrera PM07 Los Santos PM08 Panama PM09 San Blas PM10 Veraguas PP PAPUA NEW GUINEA PP01 Central PP08 Chimbu PP09 Eastern Highlands PP10 East New Britain	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ayacucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua PE19 Pasco PE20 Piura PE21 Puno PE22 San Martin PE23 Tacna PE24 Tumbes PE25 Ucay ali RP PHILIPPINES RP01 Abra	RPC1 RPC2 RPC3 RP24 RPC3 RP25 RPC6 RPC7 RPC7 RPC8 RP27 RPC9 RPD1 RP31 RP32 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD6 RPD7 RPD6 RPD7 RPD7 RPD7 RPD7 RPD7 RPD7 RPD7 RPD7	Danao Dapitan Davao Davao City Davao City Davao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga Isabela Kalinga-Apayao La Carlota Laguna Lanao del Norte Lanao del Sur Laoag Lapu-Lapu La Union Legaspi Leyte Lipa Lucena Maguindanao Mandaue Manila
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle PM04 Colon PM05 Darien PM06 Herrera PM07 Los Santos PM08 Panama PM09 San Blas PM10 Veraguas PP PAPUA NEW GUINEA PP01 Central PP08 Chimbu PP09 Eastern Highlands PP10 East New Britain PP11 East Sepik	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ay acucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua PE19 Pasco PE20 Piura PE21 Puno PE22 San Martin PE23 Tacna PE24 Tumbes PE25 Ucay ali RP PHILIPPINES RP01 Abra RP02 Agusan del Norte RP03 Agusan del Sur	RPC1 RPC2 RPC3 RP24 RPC3 RP25 RPC6 RPC7 RPC8 RPC7 RPC8 RP29 RPD1 RP31 RP31 RPD2 RPD3 RPD3 RPD3 RPD5 RPD6 RPD7 RPD6 RPD7 RPD7 RPD7 RPD7 RPD7 RPD7 RPD7 RPD7	Danao Dapitan Dav ao Dav ao City Dav ao del Sur Dav ao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Iloilo City Iriga Isabela Kalinga-Apay ao La Carlota Laguna Lanao del Norte Lanao del Sur Laoag Lapu-Lapu La Union Legaspi Ley te Lipa Lucena Maguindanao Mandaue Manila Marawi
MU OMAN PK PAKISTAN PK06 Azad Kashmir PK02 Balochistan PK01 Federally Administered Tribal Areas PK08 Islamabad PK07 Northern Areas PK03 North-West Frontier PK04 Punjab PK05 Sindh LQ PALMYRA ATOLL * PM PANAMA PM01 Bocas del Toro PM02 Chiriqui PM03 Cocle PM04 Colon PM05 Darien PM06 Herrera PM07 Los Santos PM08 Panama PM09 San Blas PM10 Veraguas PP PAPUA NEW GUINEA PP01 Central PP08 Chimbu PP09 Eastern Highlands PP10 East New Britain	PE PERU PE01 Amazonas PE02 Ancash PE03 Apurimac PE04 Arequipa PE05 Ay acucho PE06 Cajamarca PE07 Callao PE08 Cusco PE09 Huancav elica PE10 Huanuco PE11 Ica PE12 Junin PE13 La Libertad PE14 Lambay eque PE15 Lima PE16 Loreto PE17 Madre de Dios PE18 Moquegua PE19 Pasco PE20 Piura PE21 Puno PE22 San Martin PE23 Tacna PE24 Tumbes PE25 Ucay ali RP PHILIPPINES RP01 Agusan del Norte RP02 Agusan del Sur RP04 Aklan	RPC1 RPC2 RPC3 RP24 RPC3 RP25 RPC6 RPC7 RPC7 RPC8 RP27 RPC9 RPD1 RP31 RP32 RPD3 RPD3 RPD3 RPD3 RPD3 RPD3 RPD6 RPD7 RPD6 RPD7 RPD7 RPD7 RPD7 RPD7 RPD7 RPD7 RPD7	Danao Dayitan Davao Davao City Davao del Sur Davao Oriental Dipolog Dumaguete Eastern Samar General Santos Gingoog If ugao Iligan Ilocos Norte Ilocos Sur Iloilo Iloilo City Iriga Isabela Kalinga-Apayao La Carlota Laguna Lanao del Norte Lanao del Sur Laoag Lapu-Lapu La Union Legaspi Leyte Lipa Lucena Maguindanao Mandaue Manila

RP39	Masbate Mindoro Occidental Mindoro Oriental Misamis Occidental Misamis Oriental Mountain Naga Negros Occidental Negros Oriental North Cotabato Northern Samar Nuev a Ecija Nuev a Vizcay a Olongapo Ormoc	PI 33	Jelenia Gora	RO03	Arnes
D D 4 0	Mindoro Occidental	DI 24	Kolica	RO04	
RF40	Mindoro Occidental	FL34	Kalisz		
RP41	Mindoro Orientai	PL35	Katowice	RO05	
RP42	Misamis Occidental	PL36	Kielce	RO06	Bistrita-Nasaud
RP43	Misamis Oriental	PI 37	Konin	RO07	Botosani
DD44	Mariataia	DI 20	Vacable		
RP44	Mountain	PL38	Koszalin	RO08	
RPE2	Naga	PL39	Krakow	RO09	Brasov
RPH3	Negros Occidental	PI 40	Krosno	RO10	Bucuresti
DD46	Nogroe Oriental	DI 44	Lognico	RO11	
KF40	Negros Orientai	FL41	Legnica		
RP57	North Cotabato	PL42	Leszno		Calarasi
RP67	Northern Samar	PL43	Lodz	RO12	Caras-Sev erin
RP/17	Nueva Ecija	PI //	Lomza	RO13	Clui
DD40	Nueva Vissaura	DL 45	Lublia	DO11	Canatanta
RP48	Nueva vizcaya	PL45	Lublin	RO14	Constanta
RPE3	Olongapo	PL46	Nowy Sacz	RO15	Covasna
RPE4	Ormoc	PI //7	Olsztyn		Dimbovita
DDE	Ornauista	DI 40	Onala		
RPE5	Oroquieta		Opole	RO17	
RPE6	Ozamis	PL49		RO18	
RPE7	Pagadian	PL50	Pila	RO19	Gori
RP49	Palawan	PL51		RO42	Giurgiu
				D O 20	Llargia
RPE8	Palay an		Plock	RO20	Harghita
RP50	Pampanga		Poznan	RO21	Hunedoara
RP51	Pangasinan	PL 54	Przemy sl	RO22	lalomita
RPE9			Radom	RO23	
	Pasay				
RPF1	Puerto Princesa		Rzeszow		Maramures
RPH2	Quezon	PL57	Siedlce	RO26	Mehedinti
RPF2	Quezon Quezon City Quirino Rizal	PI 58	Sieradz Skierniewice Slupsk	RO27	
DDGO	Quiring	DLEO	Ckiorniowica		Neamt
KPOO	Quinno	PLO9	Skiemiewice		
RP53		1 -00	Olupsik	RO29	
RP54	Romblon	PL61	Suwalki	RO30	Prahov a
RPF3	Roxas	PI 62	Szczecin	RO31	
	0				
RP55	Romblon Roxas Samar San Carlos, Negros		Tarnobrzeg		Satu Mare
RPF4	San Carlos, Negros	PL64	Tarnow	RO33	Sibiu
Occiden	tal	PI 65	Torun	RO34	Suceava
	San Carlos, Pangasinan	DI 66	Walbrzy ch		Teleorman
KFF3			Warszawa		
RPF6	San Jose	P1 67	\/\/ arc 72\\/a	RO36	limie
RPF7	San Pablo		Wloclawek		Tulcea
RPF7	San Pablo	PL68	Wloclawek	RO37	Tulcea
RPF7 RPF8	San Pablo Silay	PL68 PL69	Wloclawek Wroclaw	RO37 RO38	Tulcea Vaslui
RPF7 RPF8	San Pablo Silay	PL68 PL69 PL70	Wloclawek Wroclaw Zamosc	RO37 RO38 RO39	Tulcea Vaslui Vilcea
RPF7 RPF8	San Pablo Silay	PL68 PL69	Wloclawek Wroclaw	RO37 RO38	Tulcea Vaslui
RPF7 RPF8	San Pablo Silay	PL68 PL69 PL70	Wloclawek Wroclaw Zamosc	RO37 RO38 RO39	Tulcea Vaslui Vilcea
RPF7 RPF8	San Pablo Silay	PL68 PL69 PL70 PL71	Wloclawek Wroclaw Zamosc Zielona Gora	RO37 RO38 RO39 RO40	Tulcea Vaslui Vilcea Vrancea
RPF7 RPF8	San Pablo Silay	PL68 PL69 PL70 PL71	Wloclawek Wroclaw Zamosc Zielona Gora	RO37 RO38 RO39 RO40	Tulcea Vaslui Vilcea
RPF7 RPF8	San Pablo Silay	PL68 PL69 PL70 PL71 PO PO02	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro	RO37 RO38 RO39 RO40	Tulcea Vaslui Vilcea Vrancea RUSSIA
RPF7 RPF8	San Pablo Silay	PL68 PL69 PL70 PL71 PO PO02	Wloclawek Wroclaw Zamosc Zielona Gora	RO37 RO38 RO39 RO40	Tulcea Vaslui Vilcea Vrancea
RPF7 RPF8	San Pablo Silay	PL68 PL69 PL70 PL71 PO PO02 PO23	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores	RO37 RO38 RO39 RO40 * RS	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA
RPF7 RPF8	San Pablo Silay	PL68 PL69 PL70 PL71 PO PO02 PO23 PO03	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja	RO37 RO38 RO39 RO40 * RS	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare
RPF7 RPF8	San Pablo Silay	PL68 PL69 PL70 PL71 PO PO02 PO23 PO03 PO04	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga	RO37 RO38 RO39 RO40 * RS RW RW01 RW02	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba
RPF7 RPF8	San Pablo Silay	PL68 PL69 PL70 PL71 PO PO02 PO23 PO03 PO04 PO05	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braganca	RO37 RO38 RO39 RO40 * RS RW RW01 RW02 RW03	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu
RPF7 RPF8	San Pablo Silay	PL68 PL69 PL70 PL71 PO PO02 PO23 PO03 PO04 PO05	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braganca	RO37 RO38 RO39 RO40 * RS RW RW01 RW02 RW03	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu
RPF7 RPF8	San Pablo Silay	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braga Braganca Castelo Branco	RO37 RO38 RO39 RO40 * RS RW RW01 RW02 RW03 RW04	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG1	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braga Braganca Castelo Branco Coimbra	RO37 RO38 RO39 RO40 * RS RW RW01 RW02 RW03 RW04 RW05	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG1 RPG2 RPG3	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran	PL68 PL69 PL70 PL71 PO 23 PO03 PO04 PO05 PO06 PO07 PO08	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Evora	RO37 RO38 RO39 RO40 * RS RW RW01 RW02 RW03 RW04 RW05 RW06	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG1 RPG2 RPG3 RPG4	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO08 PO09	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braga Braganca Castelo Branco Coimbra Ev ora Faro	RO37 RO38 RO39 RO40 * RS RW RW01 RW02 RW03 RW04 RW05 RW06 RW07	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG1 RPG2 RPG3 RPG4 RPG3	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran	PL68 PL69 PL70 PL71 PO 23 PO03 PO04 PO05 PO06 PO07 PO08	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braga Braganca Castelo Branco Coimbra Ev ora Faro	RO37 RO38 RO39 RO40 * RS RW RW01 RW02 RW03 RW04 RW05 RW06	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG1 RPG2 RPG3 RPG4 RPG3	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO08 PO09 PO11	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda	RO37 RO38 RO39 RO40 * RS RW RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG3 RPG4 RPG3 RP63 RP72	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi	PL68 PL69 PL70 PD02 PO02 PO03 PO04 PO05 PO06 PO07 PO08 PO09 PO11 PO13	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW07	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e Kigali
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RPG2 RPG3 RPG4 RPG3 RPG4 RPG5	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo	PL68 PL69 PL70 PD02 PO02 PO03 PO04 PO05 PO06 PO07 PO08 PO09 PO11 PO13 PO14	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa	RO37 RO38 RO39 RO40 * RS RW RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RPG2 RPG3 RPG4 RPG3 RPG4 RPG5 RPG5 RPG6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO08 PO09 PO11 PO13 PO14 PO10	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Evora Faro Guarda Leiria Lisboa Madeira	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW07	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e Kigali
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RPG2 RPG3 RPG4 RPG3 RPG4 RPG5 RPG5 RPG6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO08 PO09 PO11 PO13 PO14 PO10	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Evora Faro Guarda Leiria Lisboa Madeira	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e Kigali Ruhengeri
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RPG2 RPG3 RPG4 RPG3 RPG4 RPG5 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tangub Tarlac Tawitawi Toledo Trece Martires Zambales	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO08 PO09 PO11 PO13 PO14 PO10 PO16	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Evora Faro Guarda Leiria Lisboa Madeira Portalegre	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e Kigali Ruhengeri
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG4 RP63 RP72 RPG5 RPG64 RPG64 RPG7	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zambales Zamboanga	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO11 PO13 PO14 PO16 PO16 PO17	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC S	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG3 RPG4 RP63 RP72 RPG66 RPG64 RPG7 RPG64	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO11 PO13 PO14 PO16 PO17 PO18	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC SC01 SC02	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG3 RPG4 RP63 RP72 RPG66 RPG64 RPG7 RPG64	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO11 PO13 PO14 PO16 PO17 PO18	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC SC01 SC02	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG4 RP63 RPG4 RP63 RP72 RPG66 RP66 RP66 RP66 RP66 RP66 RP66 RP6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zambales Zamboanga	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO18 PO11 PO11 PO118 PO19	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC S SC01 SC02 SC03	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuye Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG3 RPG3 RPG4 RPG5 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zambales Zamboanga del Norte Zamboanga del Su	PL68 PL69 PL70 PL71 PO PO02 PO03 PO03 PO04 PO05 PO06 PO07 PO18 PO19 PO11 PO18 PO19 PO20	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC S SC01 SC02 SC03 SC04	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG3 RPG3 RPG4 RPG5 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte	PL68 PL69 PL70 PD02 PO02 PO03 PO04 PO05 PO06 PO07 PO11 PO13 PO14 PO16 PO17 PO18 PO19 PO20 PO21	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW07 RW08 RW09 RW10 SC01 SC01 SC02 SC03 SC04 SC05	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG3 RPG3 RPG4 RPG5 RPG64 RPG7 RPG65 RPG65 RP65 RP665	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zambales Zamboanga del Norte Zamboanga del Su	PL68 PL69 PL70 PD02 PO02 PO03 PO04 PO05 PO06 PO07 PO11 PO13 PO14 PO16 PO17 PO18 PO19 PO20 PO21	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Av eiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC S SC01 SC02 SC03 SC04 SC05 SC06	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibungo Kibuy e Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG3 RPG3 RPG4 RPG5 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zambales Zamboanga del Norte Zamboanga del Su	PL68 PL69 PL70 PD02 PO02 PO03 PO04 PO05 PO06 PO07 PO11 PO13 PO14 PO16 PO17 PO18 PO19 PO20 PO21	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC S SC01 SC02 SC03 SC04 SC05 SC06	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibungo Kibuy e Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG3 RPG4 RPG3 RPG4 RPG5 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte Zamboanga del Su PITCAIRN ISLANDS	PL68 PL69 PL70 PD02 PO02 PO03 PO04 PO05 PO06 PO07 PO18 PO10 PO16 PO17 PO18 PO19 PO20 PO21	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real Viseu	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC S SC01 SC02 SC03 SC04 SC05 SC06 SC07	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibungo Kibuy e Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre Saint John Figtree
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG1 RPG2 RPG3 RPG4 RPG5 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6 RPG6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte Zamboanga del Su PITCAIRN ISLANDS POLAND Biala Podlaska	PL68 PL69 PL70 PD02 PO02 PO03 PO04 PO05 PO06 PO07 PO11 PO13 PO14 PO16 PO17 PO18 PO19 PO20 PO21	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC S SC01 SC02 SC03 SC04 SC05 SC05 SC06 SC07 SC08	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre Saint John Figtree Saint Mary Cayon
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG4 RP63 RPG5 RPG6 RP65 RP65 RP65 RP65 RP65 RP65 RP65 RP6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte Zamboanga del Su PITCAIRN ISLANDS POLAND Biala Podlaska Bialy stok	PL68 PL69 PL70 PL71 PO PO02 PO03 PO03 PO04 PO05 PO06 PO07 PO13 PO14 PO10 PO16 PO17 PO18 PO19 PO20 PO21 PO22	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Evora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real Viseu PUERTO RICO	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC S SC01 SC02 SC03 SC04 SC05 SC06 SC07 SC08 SC09	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuye Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre Saint Mary Cay on Saint Paul Capisterre
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG4 RP63 RPG5 RPG6 RP65 RP65 RP65 RP65 RP65 RP65 RP65 RP6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte Zamboanga del Su PITCAIRN ISLANDS POLAND Biala Podlaska	PL68 PL69 PL70 PL71 PO PO02 PO03 PO03 PO04 PO05 PO06 PO07 PO13 PO14 PO10 PO16 PO17 PO18 PO19 PO20 PO21 PO22	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real Viseu	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC S SC01 SC02 SC03 SC04 SC05 SC06 SC07 SC08 SC09 SC10	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre Saint Mary Cay on Saint Paul Capisterre Saint Paul Charlestown
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG4 RP63 RPG5 RPG6 RP65 RP65 RP65 RP65 RP65 RP65 RP65 RP6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte Zamboanga del Su PITCAIRN ISLANDS POLAND Biala Podlaska Bialy stok Bielsko	PL68 PL69 PL70 PL71 PO PO02 PO03 PO03 PO04 PO05 PO06 PO07 PO13 PO14 PO10 PO16 PO17 PO18 PO19 PO20 PO21 PO22	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Evora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real Viseu PUERTO RICO	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC S SC01 SC02 SC03 SC04 SC05 SC06 SC07 SC08 SC09 SC10	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuy e Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre Saint Mary Cay on Saint Paul Capisterre Saint Paul Charlestown
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG4 RP63 RPG5 RPG6 RP65 RP65 RP65 RP65 RP65 RP65 RP65 RP6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tarlac Tawitawi Toledo Trece Martires Zamboanga del Norte Zamboanga del Su PITCAIRN ISLANDS POLAND Biala Podlaska Bialy stok Bielsko By dgoszcz	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO08 PO11 PO11 PO11 PO10 PO16 PO17 PO18 PO20 PO21 PO22 RQ	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Evora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real Viseu PUERTO RICO QATAR	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC S SC01 SC02 SC03 SC04 SC05 SC06 SC07 SC08 SC09 SC10 SC11	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuye Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre Saint Mary Cay on Saint Paul Capisterre Saint Paul Charlestown Saint Peter Basseterre
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG4 RP63 RPG5 RPG6 RP65 RP65 RP65 RP65 RP65 RP65 RP65 RP6	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga del Norte Zamboanga del Su PITCAIRN ISLANDS POLAND Biala Podlaska Bialy stok Bielsko By dgoszcz Chelm	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO08 PO11 PO11 PO11 PO10 PO16 PO17 PO18 PO20 PO21 PO22 RQ	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Evora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real Viseu PUERTO RICO	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC S SC01 SC02 SC03 SC04 SC05 SC06 SC06 SC07 SC08 SC09 SC10 SC11 SC12	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuye Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre Saint Mary Cay on Saint Paul Capisterre Saint Paul Charlestown Saint Peter Basseterre Saint Peter Basseterre Saint Peter Basseterre Saint Peter Basseterre
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG3 RPG3 RPG4 RPG5 RPG6 RP64 RPG7 RP65 RP65 RP65 RP65 RP65 RP65 RP65 RP65	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte Zamboanga del Su PITCAIRN ISLANDS POLAND Biala Podlaska Bialy stok Bielsko By dgoszcz Chelm Ciechanow	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO08 PO11 PO11 PO11 PO10 PO16 PO17 PO18 PO20 PO21 PO22 RQ	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Evora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real Viseu PUERTO RICO QATAR	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW07 RW08 RW09 RW10 SC01 SC01 SC02 SC03 SC04 SC05 SC06 SC07 SC06 SC07 SC08 SC01 SC12 SC13	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuye Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre Saint John Figtree Saint Mary Cayon Saint Paul Capisterre Saint Paul Charlestown Saint Peter Basseterre Saint Thomas Lowland Saint Thomas Lowland Saint Thomas Middle Island
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG3 RPG3 RPG4 RPG5 RPG6 RP64 RPG7 RP65 RP65 RP65 RP65 RP65 RP65 RP65 RP65	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte Zamboanga del Su PITCAIRN ISLANDS POLAND Biala Podlaska Bialy stok Bielsko By dgoszcz Chelm Ciechanow	PL68 PL69 PL70 PL71 PO PO02 PO03 PO04 PO05 PO06 PO07 PO08 PO09 PO11 PO10 PO16 PO17 PO18 PO19 PO20 PO21 PO22 * RQ	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Evora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real Viseu PUERTO RICO QATAR REUNION	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW07 RW08 RW09 RW10 SC01 SC01 SC02 SC03 SC04 SC05 SC06 SC07 SC06 SC07 SC08 SC01 SC12 SC13	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuye Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre Saint John Figtree Saint Mary Cayon Saint Paul Capisterre Saint Paul Charlestown Saint Peter Basseterre Saint Thomas Lowland Saint Thomas Lowland Saint Thomas Middle Island
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG1 RPG2 RPG3 RPG3 RPG4 RPG3 RPG64 RPG7 RP65 RP66 RP65 RP65 RP65 RP65 RP65 RP65	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte Zamboanga del Su PITCAIRN ISLANDS POLAND Biala Podlaska Bialy stok Bielsko By dgoszcz Chelm Ciechanow Czestochowa	PL68 PL69 PL70 PD02 PO02 PO03 PO04 PO05 PO06 PO07 PO11 PO13 PO14 PO10 PO16 PO19 PO20 PO21 PO22 * RQ	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Evora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real Viseu PUERTO RICO QATAR REUNION	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC SC01 SC02 SC03 SC04 SC05 SC06 SC07 SC08 SC09 SC11 SC12 SC13 SC15	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuye Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre Saint John Figtree Saint Mary Cay on Saint Paul Capisterre Saint Paul Charlestown Saint Peter Basseterre Saint Peter Basseterre Saint Thomas Lowland Saint Thomas Middle Island Trinity Palmetto Point
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG1 RPG2 RPG3 RPG3 RPG4 RPG5 RPG6 RPG6 RPG6 RPG5 RPG6 RPG5 RPG5 RPG6 RPG5 RPG5 RPG6 RPG5 RPG6 RPG5 RPG6 RPG6 RPG6 RPG6 RPG7 RPG6 RPG7 RPG6 RPG7 RPG6 RPG8 RPG9 RPG9 RPG9 RPG9 RPG9 RPG9 RPG9 RPG9	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte Zamboanga del Su PITCARN ISLANDS POLAND Biala Podlaska Bialy stok Bielsko By dgoszcz Chelm Ciechanow Czestochowa Elblag	PL68 PL69 PL70 PD02 PO23 PO03 PO04 PO05 PO06 PO07 PO11 PO13 PO14 PO10 PO16 PO17 PO20 PO21 PO22 RQ RE	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real Viseu PUERTO RICO QATAR REUNION ROMANIA Alba	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC 01 SC01 SC02 SC03 SC04 SC05 SC06 SC07 SC08 SC09 SC10 SC11 SC12 SC13 SC15 SH SS	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuye Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint James Windward Saint John Capisterre Saint Mary Cay on Saint Paul Capisterre Saint Paul Charlestown Saint Peter Basseterre Saint Thomas Lowland Saint Thomas Middle Island Trinity Palmetto Point ST. HELENA
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG4 RPG3 RPG4 RPG5 RPG6 RPG6 RPG6 RPG5 RPG6 RPG5 RPG6 RPG5 RPG6 RPG5 RPG6 RPG7 RPG5 RPG6 RPG7 RPG6 RPG7 RPG6 RPG7 RPG6 RPG7 RPG6 RPG7 RPG6 RPG7 RPG7 RPG8 RPG9 RPG9 RPG9 RPG9 RPG9 RPG9 RPG9 RPG9	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte Zamboanga del Su PITCAIRN ISLANDS POLAND Biala Podlaska Bialy stok Bielsko By dgoszcz Chelm Ciechanow Czestochowa Elblag Gdansk	PL68 PL69 PL70 PD02 PO23 PO03 PO04 PO05 PO06 PO07 PO11 PO13 PO14 PO10 PO16 PO17 PO20 PO21 PO22 RQ RE	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Evora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real Viseu PUERTO RICO QATAR REUNION	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC 01 SC01 SC02 SC03 SC04 SC05 SC06 SC07 SC06 SC07 SC08 SC01 SC11 SC12 SC11 SC12 SC11 SC12 SC11 SC12 SC11 SC12 SC11 SC12 SC11 SC11	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuye Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint John Capisterre Saint John Figtree Saint Mary Cay on Saint Paul Capisterre Saint Paul Charlestown Saint Peter Basseterre Saint Thomas Lowland Saint Thomas Middle Island Trinity Palmetto Point ST. HELENA Ascension
RPF7 RPF8 RP69 RP58 RP70 RP59 RP71 RP60 RPF9 RP61 RP62 RPG3 RPG3 RPG4 RPG3 RPG64 RPG7 RP65 RP66 RP65 RP65 RP65 RP65 RP65 RP65	San Pablo Silay Siquijor Sorsogon South Cotabato Southern Ley te Sultan Kudarat Sulu Surigao Surigao del Norte Surigao del Sur Tacloban Tagay tay Tagbilaran Tangub Tarlac Tawitawi Toledo Trece Martires Zamboanga Zamboanga del Norte Zamboanga del Su PITCARN ISLANDS POLAND Biala Podlaska Bialy stok Bielsko By dgoszcz Chelm Ciechanow Czestochowa Elblag	PL68 PL69 PL70 PD02 PO23 PO03 PO04 PO05 PO06 PO07 PO11 PO13 PO14 PO10 PO16 PO17 PO20 PO21 PO22 RQ RE	Wloclawek Wroclaw Zamosc Zielona Gora PORTUGAL Aveiro Azores Beja Braga Braganca Castelo Branco Coimbra Ev ora Faro Guarda Leiria Lisboa Madeira Portalegre Porto Santarem Setubal Viana do Castelo Vila Real Viseu PUERTO RICO QATAR REUNION ROMANIA Alba	RO37 RO38 RO39 RO40 * RS RW01 RW02 RW03 RW04 RW05 RW06 RW07 RW08 RW09 RW10 SC 01 SC01 SC02 SC03 SC04 SC05 SC06 SC07 SC06 SC07 SC08 SC01 SC11 SC12 SC11 SC12 SC11 SC12 SC11 SC12 SC11 SC12 SC11 SC12 SC11 SC11	Tulcea Vaslui Vilcea Vrancea RUSSIA RWANDA Butare By umba Cy angugu Gikongoro Giseny i Gitarama Kibungo Kibuye Kigali Ruhengeri ST. KITTS AND NEVIS Christ Church Nichola Town Saint Anne Sandy Point Saint George Basseterre Saint George Gingerland Saint James Windward Saint James Windward Saint John Capisterre Saint Mary Cay on Saint Paul Capisterre Saint Paul Charlestown Saint Peter Basseterre Saint Thomas Lowland Saint Thomas Middle Island Trinity Palmetto Point ST. HELENA

SH03 Tristan da Cunha ST ST. LUCIA ST01 Anse-la-Ray e ST03 Castries ST04 Choiseul ST02 Dauphin ST05 Dennery ST06 Gros-Islet ST07 Laborie ST08 Micoud ST11 Praslin ST09 Souf riere ST10 Vieux-Fort SB ST. PIERRE AND MIQUELON VC ST. VINCENT AND THE GRENADINES VC01 Charlotte VC06 Grenadines VC02 Saint Andrew VC03 Saint David	SE01 Anse aux Pins SE02 Anse Boileau SE03 Anse Etoile SE04 Anse Louis SE05 Anse Roy ale SE06 Baie Lazare SE07 Baie Sainte Anne SE08 Beau Vallon SE09 Bel Air SE10 Bel Ombre SE11 Cascade SE12 Glacis SE13 Grand' Anse (Mahe) SE14 Grand' Anse (Praslin) SE15 La Digue SE16 La Riviere Anglaise SE17 Mont Buxton SE18 Mont Fleuri SE19 Plaisance SE20 Pointe La Rue SE21 Port Glaud SE22 Saint Louis SE23 Takamaka	SP57 Extremadura SP58 Galicia SP07 Islas Baleares SP27 La Rioja SP29 Madrid SP31 Murcia SP32 Navarra SP59 Pais Vasco SP60 Valenciana PG SPRATLY ISLANDS CE SRI LANKA
VC04 Saint George VC05 Saint Patrick SM SAN MARINO SM01 Acquaviva SM06 Borgo Maggiore SM02 Chiesanuova SM03 Domagnano SM04 Faetano SM05 Fiorentino SM08 Monte Giardino SM07 San Marino SM09 Serravalle TP SAO TOME AND PRINCIPE	SL SIERRALEONE SL01 Eastern SL02 Northern SL03 Southern SL04 Western Area SN SINGAPORE * LO SLOVAKIA * SI SLOVENIA BP SOLOMON ISLANDS	CE01 Amparai CE02 Anuradhapura CE03 Badulla CE04 Batticaloa CE23 Colombo CE06 Galle CE24 Gampaha CE07 Hambantota CE25 Jaffna CE09 Kalutara CE10 Kandy CE11 Kegalla CE12 Kurunegala CE26 Mannar CE14 Matale
TP01 Principe TP02 Sao Tome SA SAUDI AR ABIA SA02 AI Bahah SA15 AI Hudud ash Shamaliy ah SA03 AI Jawf SA05 AI Madinah SA08 AI Qasim	BP05 Central BP06 Guadalcanal BP07 Isabel BP08 Makira BP03 Malaita BP09 Temotu BP04 Western SO SOMALIA	CE15 Matara CE16 Moneragala CE27 Mullaittiv u CE17 Nuwara Eliy a CE18 Polonnaruwa CE19 Puttalam CE20 Ratnapura CE21 Trincomalee CE28 Vav uniy a
SA09 Al Quray y at SA10 Ar Riy ad SA06 Ash Sharqiy ah SA11 'Asir SA13 Ha'il SA17 Jizan SA14 Makkah SA16 Najran SA19 Tabuk SG SENEGAL	SO01 Bakool SO02 Banaadir SO03 Bari SO04 Bay SO05 Galguduud SO06 Gedo SO07 Hiiraan SO08 Jubbada Dhexe SO09 Jubbada Hoose SO10 Mudug SO11 Nugaal	SU SUDAN SU26 A'ali an Nil SU28 Al Istiwa'iyah SU29 Al Khartum SU27 Al Wusta SU30 Ash Shamaliyah SU31 Ash Sharqiyah SU32 Bahr al Ghazal SU33 Darfur SU34 Kurdufan
SG01 Dakar SG03 Diourbel SG09 Fatick SG10 Kaolack SG11 Kolda SG08 Louga SG04 Saint-Louis SG05 Tambacounda SG07 Thies SG12 Ziguinchor SR SERBIA	SO12 Sanaag SO13 Shabeellaha Dhexe SO14 Shabeellaha Hoose SO15 Togdheer SO16 Woqooyi Galbeed SF SOUTH AFRICA SF01 Cape Province SF02 Natal SF03 Orange Free State SF04 Transvaal	NS SURINAME NS10 Brokopondo NS11 Commewijne NS12 Coronie NS13 Marowijne NS14 Nickerie NS15 Para NS16 Paramaribo NS17 Saramacca NS18 Sipaliwini NS19 Wanica
SE SEYCHELLES	SX SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS	SV SVALBARD

WZ	SWAZILAND	SY10	Hamah	TH66	Phatthalung
	Hhohho		Hims	TH41	Phayao
WZ02	Lubombo	SY 12	Idlib		Phetchabun
	Manzini		Rif Dimashq		Phetchaburi
	Praslin	SY 14	Tartus		Phichit
WZ04	Shiselweni		A 111/2/07 A 1		Phitsanulok
		TI T	AJIKISTAN		Phra Nakhon Si Ayutthaya
	SWEDEN	T 7 -	FAN 7 AND A		Phrae Phuket
SW01	Alv sborgs Lan		ΓANZANIA		Prachin Buri
	Blekinge Lan		Arusha		Prachuap Khiri Khan
20003	Gav leborgs Lan Goteborgs och Bohus Lan		Dar es Salaam Dodoma	TH59	Ranong
SW04	Gotlands Lan	TZ03	Iringa	TH52	
	Hallands Lan	TZ04	Kigoma	TH47	
SW07	Jamtlands Lan	TZ06	Kilimanjaro		Roi Et
CIMOO	lankaninga Lan	TZ07	Lindi		Sakon Nakhon
SW09	Kalmar Lan Kopparbergs Lan Kristianstads Lan Kronobergs Lan Malmohus Lan	TZ08		TH42	Samut Prakan
SW10	Kopparbergs Lan	TZ09	Mbeya	TH55	Samut Sakhon
SW11	Kristianstads Lan	TZ10	Morogoro	TH54	Samut Songkhram
SW12	Kronobergs Lan	TZ11	Mtwara		Saraburi
			Mwanza		Satun
	Norrbottens Lan	TZ13	Pemba North		Sing Buri
	Orebro Lan	TZ20	Pemba South		Sisaket
SW 16	Ostergotlands Lan		Pwani		Songkhla
CVVII	Okaraborgs Lari		Rukwa		Sukhothai Suphan Buri
SW18	Sodermanlands Lan		Ruvuma	THEO	Surat Thani
SW26 SW21	Stockholms Lan	1Z15	Shiny anga	TH29	
	Uppsala Lan Varmlands Lan	12 10 T717	Singida Tabora	TH08	
		TZ 17	Tanga	TH65	
SW24	Vasterbottens Lan Vasternorrlands Lan Vastmanlands Lan	T721	Zanzibar Central/South	TH49	
SW25	Vastmanlands Lan	TZ22	Zanzibar North	TH71	
		TZ25	Zanzibar Urban/West	TH19	Udon Thani
* SZ S	SWITZERLAND		Ziwa Magharibi		Uthai Thani
SZ01	Aargau		9	TH10	Uttaradit
SZ02	Ausser-Rhoden		THAILAND	TH70	
SZ02 SZ03	Ausser-Rhoden Basel-Landschaft	TH35	Ang Thong		Yala Yasothon
SZ02 SZ03 SZ04	Ausser-Rhoden Basel-Landschaft Basel-Stadt	TH35 TH28	Ang Thong Buriram	TH72	Yasothon
SZ02 SZ03 SZ04 SZ05	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern	TH35 TH28 TH44	Ang Thong Buriram Chachoengsao	TH72 TO 1	Yasothon rogo
SZ02 SZ03 SZ04 SZ05 SZ06	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg	TH35 TH28 TH44 TH32	Ang Thong Buriram Chachoengsao Chai Nat	TH72 TO 1 TO01	Yasothon F OGO Amlame
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e	TH35 TH28 TH44 TH32 TH26	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum	TH72 TO 1 TO01 TO02	Yasothon FOGO Amlame Aneho
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus	TH35 TH28 TH44 TH32 TH26 TH48	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi	TH72 TO 1 TO01 TO02 TO03	Yasothon TOGO Amlame Aneho Atakpame
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ09	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Geneve Glarus Graubunden	TH35 TH28 TH44 TH32 TH26 TH48 TH02	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai	TH72 TO 1 TO01 TO02 TO03 TO15	Yasothon FOGO Amlame Aneho Atakpame Badou
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ09 SZ10	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden	TH35 TH28 TH44 TH32 TH26 TH48 TH02 TH03	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai	TH72 TO 1 TO01 TO02 TO03 TO15 TO04	Yasothon FOGO Amlame Aneho Atakpame Badou Bafilo
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ09 SZ10 SZ26	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura	TH35 TH28 TH44 TH32 TH26 TH48 TH02 TH03 TH46	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05	Yasothon FOGO Amlame Aneho Atakpame Badou Bafilo Bassar
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ09 SZ10 SZ26 SZ11	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern	TH35 TH28 TH44 TH32 TH26 TH48 TH02 TH03 TH03 TH46 TH58	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07	Yasothon FOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ09 SZ10 SZ10 SZ11 SZ12 SZ13	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden	TH35 TH28 TH44 TH32 TH26 TH48 TH02 TH03 TH03 TH46 TH58 TH23	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08	Yasothon FOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ09 SZ10 SZ10 SZ11 SZ12 SZ13	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern	TH35 TH28 TH44 TH32 TH26 TH48 TH02 TH03 TH46 TH58 TH23 TH11	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14	Yasothon FOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ09 SZ10 SZ12 SZ11 SZ12 SZ13 SZ14 SZ15	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Geneve Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen	TH35 TH28 TH44 TH32 TH26 TH48 TH02 TH03 TH46 TH53 TH11 TH50 TH22	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14 TO09	Yasothon FOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ10 SZ12 SZ11 SZ12 SZ13 SZ14 SZ15 SZ16	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaffhausen	TH35 TH28 TH44 TH32 TH26 TH48 TH02 TH03 TH46 TH58 TH21 TH50 TH22 TH63	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14 TO09 TO10	Yasothon FOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ10 SZ11 SZ12 SZ13 SZ14 SZ14 SZ15 SZ16 SZ17	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z	TH35 TH28 TH44 TH32 TH26 TH02 TH03 TH46 TH58 TH23 TH11 TH50 TH22 TH63 TH40	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14 TO09 TO10 TO11	Yasothon FOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ10 SZ12 SZ11 SZ12 SZ13 SZ14 SZ15 SZ16 SZ17 SZ18	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z Solothurn	TH35 TH28 TH44 TH32 TH26 TH48 TH03 TH46 TH58 TH23 TH11 TH50 TH22 TH63 TH40 TH40 TH06	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lampang	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO10 TO10 TO10 TO11 TO12	Yasothon FOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ10 SZ12 SZ11 SZ12 SZ13 SZ14 SZ15 SZ15 SZ16 SZ17 SZ18 SZ19	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z Solothurn Thurgau	TH35 TH28 TH44 TH32 TH26 TH48 TH03 TH46 TH58 TH23 TH11 TH50 TH22 TH63 TH46 TH06 TH06 TH06	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lampang Lamphun	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14 TO09 TO10 TO11 TO12 TO13	Yasothon FOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou Notse
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ09 SZ10 SZ12 SZ13 SZ14 SZ15 SZ14 SZ15 SZ16 SZ17 SZ16 SZ17 SZ18 SZ19 SZ20	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z Solothurn Thurgau Ticino	TH35 TH28 TH44 TH32 TH26 TH48 TH03 TH46 TH58 TH23 TH11 TH50 TH22 TH63 TH40 TH05 TH05 TH18	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lampang Lamphun Loei	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14 TO09 TO10 TO11 TO12 TO13 TO16	Yasothon FOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou Notse Sotouboua
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ10 SZ11 SZ12 SZ13 SZ14 SZ15 SZ15 SZ17 SZ17 SZ18 SZ17 SZ18 SZ19 SZ20 SZ21	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z Solothurn Thurgau Ticino Uri	TH35 TH28 TH44 TH32 TH26 TH48 TH02 TH33 TH46 TH58 TH23 TH11 TH50 TH22 TH63 TH40 TH05 TH18 TH34	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lampang Lamphun Loei Lop Buri	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14 TO09 TO10 TO11 TO12 TO13 TO16 TO17	Yasothon TOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou Notse Sotouboua Tabligbo
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ10 SZ11 SZ12 SZ13 SZ14 SZ15 SZ16 SZ17 SZ18 SZ17 SZ18 SZ17 SZ18 SZ19 SZ20 SZ21 SZ21 SZ21 SZ22	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z Solothurn Thurgau Ticino Uri Valais	TH35 TH28 TH44 TH32 TH26 TH48 TH03 TH46 TH58 TH23 TH11 TH50 TH22 TH63 TH40 TH05 TH05 TH18 TH34 TH01	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lampang Lamphun Loei Lop Buri Mae Hong Son	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14 TO09 TO10 TO11 TO12 TO13 TO16 TO17 TO19	Yasothon TOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou Notse Sotouboua Tabligbo Tchamba
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ12 SZ13 SZ14 SZ13 SZ14 SZ15 SZ16 SZ17 SZ18 SZ19 SZ20 SZ20 SZ21 SZ22 SZ23	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Geneve Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z Solothurn Thurgau Ticino Uri Valais Vaud	TH35 TH28 TH44 TH32 TH26 TH48 TH02 TH38 TH38 TH46 TH58 TH22 TH63 TH40 TH05 TH18 TH34 TH01 TH24	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lampang Lamphun Loei Lop Buri Mae Hong Son Maha Sarakham	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14 TO09 TO10 TO11 TO12 TO13 TO16 TO17 TO19 TO20	Yasothon TOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou Notse Sotouboua Tabligbo
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ12 SZ13 SZ14 SZ15 SZ16 SZ17 SZ18 SZ19 SZ20 SZ21 SZ21 SZ21 SZ21 SZ21 SZ21	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Geneve Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z Solothurn Thurgau Ticino Uri Valais Vaud Zug	TH35 TH28 TH44 TH32 TH26 TH48 TH02 TH03 TH58 TH23 TH11 TH50 TH22 TH63 TH40 TH06 TH05 TH184 TH01 TH24 TH01 TH24 TH01	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lampang Lamphun Loei Lop Buri Mae Hong Son Maha Sarakham Nakhon Nay ok	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO06 TO07 TO08 TO14 TO09 TO10 TO11 TO12 TO13 TO16 TO17 TO19 TO20 TO18	Yasothon FOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou Notse Sotouboua Tabligbo Tchamba Tchaoudjo Tsev ie
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SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ12 SZ11 SZ12 SZ13 SZ14 SZ15 SZ15 SZ16 SZ17 SZ18 SZ19 SZ20 SZ21 SZ22 SZ23 SZ24 SZ25 SY01	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z Solothurn Thurgau Ticino Uri Valais Vaud Zug Zurich	TH35 TH28 TH44 TH32 TH26 TH48 TH03 TH46 TH58 TH23 TH11 TH50 TH22 TH63 TH06 TH05 TH18 TH01 TH24 TH43 TH51 TH24 TH43 TH51 TH24 TH43 TH51 TH24 TH43 TH51 TH51 TH51 TH61 TH61 TH61 TH61 TH61 TH61 TH61 TH6	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lamphun Loei Lop Buri Mae Hong Son Maha Sarakham Nakhon Nay ok Nakhon Pathom Nakhon Pathom Nakhon Ratchasima Nakhon Sawan	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14 TO09 TO10 TO11 TO12 TO13 TO16 TO17 TO19 TO20 TO21 TL 1	Yasothon TOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou Notse Sotouboua Tabligbo Tchamba Tchaoudjo Tsev ie Vogan
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ12 SZ13 SZ14 SZ15 SZ15 SZ16 SZ17 SZ18 SZ19 SZ20 SZ21 SZ22 SZ23 SZ24 SZ22 SZ23 SZ24 SZ25	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schwy z Solothurn Thurgau Ticino Uri Valais Vaud Zug Zurich SYRIA Al Hasakah Al Ladhiqiy ah	TH35 TH28 TH44 TH32 TH26 TH48 TH03 TH46 TH58 TH23 TH50 TH22 TH63 TH46 TH06 TH05 TH18 TH34 TH01 TH24 TH43 TH27 TH16 TH24 TH43 TH24 TH43 TH24 TH43 TH24 TH43 TH46 TH46 TH46 TH66 TH66 TH66 TH66 TH66	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lampang Lamphun Loei Lop Buri Mae Hong Son Maha Sarakham Nakhon Nay ok Nakhon Pathom Nakhon Pathom Nakhon Ratchasima Nakhon Sawan Nakhon Sawan	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14 TO09 TO10 TO11 TO12 TO13 TO16 TO17 TO19 TO20 TO18 TO21 TL 1 TN 1	Yasothon TOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou Notse Sotouboua Tabligbo Tchamba Tchaoudjo Tsevie Vogan
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ09 SZ10 SZ12 SZ13 SZ14 SZ15 SZ15 SZ16 SZ17 SZ18 SZ19 SZ20 SZ21 SZ22 SZ23 SZ24 SZ25 SZ25 SY01 SY02 SY03	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Genev e Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z Solothurn Thurgau Ticino Uri Valais Vaud Zug Zurich SYRIA Al Hasakah Al Ladhiqiy ah Al Qunay tirah	TH35 TH28 TH44 TH32 TH26 TH48 TH03 TH46 TH58 TH23 TH46 TH50 TH22 TH63 TH40 TH05 TH43 TH43 TH43 TH43 TH43 TH44 TH43 TH43	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lampang Lamphun Loei Lop Buri Mae Hong Son Maha Sarakham Nakhon Nayok Nakhon Pathom Nakhon Phanom Nakhon Ratchasima Nakhon Sawan Nakhon Si Thammarat Nan	TH72 TO 1 TO01 TO02 TO03 TO15 TO06 TO07 TO08 TO14 TO09 TO10 TO11 TO12 TO13 TO16 TO17 TO19 TO20 TO18 TO21 TL 1 TN 1 TN01	Yasothon TOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou Notse Sotouboua Tabligbo Tchamba Tchaoudjo Tsev ie Vogan TOKELAU TONGA Haʻapai
SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ12 SZ13 SZ14 SZ15 SZ16 SZ17 SZ18 SZ19 SZ20 SZ21 SZ22 SZ23 SZ24 SZ25 SY01 SY01 SY01 SY02 SY03 SY04	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Geneve Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z Solothurn Thurgau Ticino Uri Valais Vaud Zug Zurich EYRIA Al Hasakah Al Ladhiqiy ah Al Qunay tirah Ar Raqqah	TH35 TH28 TH44 TH32 TH26 TH48 TH03 TH46 TH58 TH23 TH46 TH50 TH22 TH63 TH40 TH05 TH18 TH34 TH01 TH24 TH43 TH24 TH43 TH24 TH43 TH24 TH43 TH24 TH43 TH24 TH43 TH24 TH43 TH43 TH43 TH43 TH43 TH43 TH43 TH4	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lampang Lamphun Loei Lop Buri Mae Hong Son Maha Sarakham Nakhon Nayok Nakhon Pathom Nakhon Phanom Nakhon Ratchasima Nakhon Sawan Nakhon Si Thammarat Nan Narathiwat	TH72 TO 1 TO01 TO02 TO03 TO15 TO06 TO07 TO08 TO14 TO09 TO10 TO11 TO12 TO13 TO16 TO17 TO19 TO20 TO18 TO21 TL 1 TN 1 TN01 TN01 TN01	Yasothon TOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou Notse Sotouboua Tabligbo Tchamba Tchaoudjo Tsev ie Vogan TOKELAU TONGA Haʻapai Tongatapu
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SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ12 SZ13 SZ14 SZ15 SZ16 SZ17 SZ18 SZ17 SZ18 SZ19 SZ21 SZ22 SZ23 SZ24 SZ23 SZ24 SZ25 SY01 SY02 SY01 SY02 SY03 SY04 SY05 SY06 SY06	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Geneve Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z Solothurn Thurgau Ticino Uri Valais Vaud Zug Zurich EYRIA AI Hasakah AI Ladhiqiy ah AI Qunay tirah Ar Raqqah As Suway da' Dar'a	TH35 TH28 TH44 TH32 TH26 TH03 TH46 TH58 TH23 TH11 TH50 TH63 TH40 TH06 TH05 TH18 TH34 TH01 TH27 TH16 TH27 TH16 TH27 TH16 TH27 TH16 TH27 TH16 TH27 TH38	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lampang Lamphun Loei Lop Buri Mae Hong Son Maha Sarakham Nakhon Nay ok Nakhon Pathom Nakhon Pathom Nakhon Ratchasima Nakhon Sawan Nakhon Si Thammarat Nan Narathiwat Nong Khai Nonthaburi	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14 TO09 TO10 TO11 TO12 TO13 TO16 TO17 TO19 TO20 TO18 TO21 TL T TN 1 TN01 TN01 TN01 TN01 TN02 TN03	Yasothon TOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou Notse Sotouboua Tabligbo Tchamba Tchaoudjo Tsevie Vogan TOKELAU TONGA Haʻapai Tongatapu Vavaʻu
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SZ02 SZ03 SZ04 SZ05 SZ06 SZ07 SZ08 SZ10 SZ12 SZ13 SZ14 SZ15 SZ14 SZ15 SZ17 SZ18 SZ17 SZ18 SZ17 SZ22 SZ23 SZ21 SZ22 SZ23 SZ24 SZ25 SY01 SY02 SY03 SY04 SY05 SY06 SY07 SY07 SY13	Ausser-Rhoden Basel-Landschaft Basel-Stadt Bern Fribourg Geneve Glarus Graubunden Inner-Rhoden Jura Luzern Neuchatel Nidwalden Obwalden Sankt Gallen Schaff hausen Schwy z Solothurn Thurgau Ticino Uri Valais Vaud Zug Zurich EYRIA AI Hasakah AI Ladhiqiy ah AI Qunay tirah Ar Raqqah As Suway da' Dar'a	TH35 TH28 TH44 TH32 TH26 TH48 TH03 TH46 TH58 TH23 TH40 TH05 TH40 TH05 TH44 TH43 TH43 TH24 TH43 TH24 TH43 TH24 TH43 TH24 TH43 TH24 TH43 TH24 TH43 TH46 TH46 TH46 TH46 TH46 TH46 TH46 TH46	Ang Thong Buriram Chachoengsao Chai Nat Chaiy aphum Chanthaburi Chiang Mai Chiang Rai Chon Buri Chumphon Kalasin Kamphaeng Phet Kanchanaburi Khon Kaen Krabi Krung Thep Lampang Lamphun Loei Lop Buri Mae Hong Son Maha Sarakham Nakhon Nay ok Nakhon Pathom Nakhon Pathom Nakhon Ratchasima Nakhon Sawan Nakhon Si Thammarat Nan Narathiwat Nong Khai Nonthaburi	TH72 TO 1 TO01 TO02 TO03 TO15 TO04 TO05 TO06 TO07 TO08 TO14 TO09 TO10 TO11 TO12 TO13 TO13 TO16 TO17 TO19 TO20 TO18 TO21 TL T TN 1 TN01 TN01 TN01 TN01 TD 1 TD01	Yasothon TOGO Amlame Aneho Atakpame Badou Bafilo Bassar Dapaong Kante Klouto Kpagouda Lama-Kara Lome Mango Niamtougou Notse Sotouboua Tabligbo Tchamba Tchaoudjo Tsevie Vogan TOKELAU TONGA Haʻapai Tongatapu Vavaʻu

TD03 May aro	TU27 Gaziantep	UP07 Kharkiv s'ka Oblast'
TD04 Nariva	TU28 Giresun	UP08 Khersons'ka Oblast'
		UP09 Khmel'ny ts'ka Oblast'
TD06 Saint Andrew	TU70 Hakkari	UP10 Kirov ohrads'ka Oblast'
TD07 Saint David	TU31 Hatay	UP11 Krym, Respublika
TD08 Saint George	TU32 Icel	UP12 Kyyiv, Misto
TD09 Saint Patrick	TU33 Isparta	UP13 Kyyivs'ka Oblast'
TD10 San Fernando	TU34 Istanbul	UP14 Luhans'ka Oblast'
TD11 Tobago	TU35 Izmir	UP15 L'vivs'ka Oblast'
TD12 Victoria	TU46 Kahraman Maras	UP16 My kolay iv s'ka Oblast'
	TU78 Karaman	UP17 Odes'ka Oblast'
TE TROMELIN ISLAND	TU36 Kars	UP18 Poltav s'ka Oblast'
DO TOUGHT TERRUTORY OF THE		
PS TRUST TERRITORY OF THE	TU37 Kastamonu	UP19 Rivnens'ka Oblast'
PACIFIC ISLANDS	TU38 Kayseri	UP20 Sev astopol', Misto
(PALAU)	TU79 Kirİkkale	UP21 Sums'ka Oblast'
•	TU39 Kirklareli	UP22 Ternopil's'ka Oblast'
TS TUNISIA	TU40 Kirsehir	UP23 Vinnyts'ka Oblast'
TS14 Al Kaf	TU41 Kocaeli	UP24 Volyns'ka Oblast'
	TU71 Konya	UP25 Zakarpats'ka Oblast'
TS15 Al Mahdiyah	TU43 Kutahya	UP26 Zaporiz'ka Oblast'
TS16 Al Munastir	TU44 Malatya	UP27 Zhy tomy rs'ka Oblast'
TS02 Al Qasray n	TU45 Manisa	OT 27 Ziny tomy to ha Oblast
TS03 Al Qay rawan		TO LINUTED AD AD EMIDATES
TS26 Ary anah		TC UNITED ARAB EMIRATES
TS17 Bajah	TU48 Mugla	TC01 Abu Zaby
TS18 Banzart	TU49 Mus	TC02 'Ajman
TS27 Bin 'Arus	TU50 Nev sehir	TC04 Al Fujay rah
TS06 Jundubah	TU73 Nigde	TC06 Ash Shariqah
TS28 Madanin	TU52 Ordu	TC03 Dubayy
	TU53 Rize	TC05 Ra's al Khay mah
	TU54 Sakarya	TC07 Umm al Qay way n
TS29 Qabis	TU55 Samsun	roor onim ar day may n
TS10 Qafsah	TU74 Siirt	* UK UNITED KINGDOM
TS31 Qibili	TU57 Sinop	
TS32 Safaqis		UK01 Avon
TS33 Sidi Bu Zayd	TU80 Sirnak	UK02 Bedford
TS22 Sily anah	TU58 Sivas	UK03 Berkshire
TS23 Susah	TU59 Tekirdag	UK04 Buckingham
TS34 Tatawin	TU60 Tokat	UK05 Cambridge
TS35 Tawzar	TU61 Trabzon	UK06 Cheshire
TS36 Tunis	TU62 Tunceli	UK07 Clev eland
	TU63 Urfa	UK08 Cornwall
TS37 Zaghwan	TU64 Usak	UK09 Cumbria
	TU65 Van	UK10 Derby
TU TURKEY	TU66 Yozgat	UK11 Devon
TU01 Adana	TU67 Zonguldak	UK12 Dorset
TU02 Adiyaman	1007 Zorigulaak	
TU03 Afyon	TV TUDICMENHOTAN	UK13 Durham
TU04 Agri	TX TURKMENISTAN	UK14 East Sussex
TU75 Aksaray		UK15 Essex
TU05 Amasya	TK TURKS AND CAICOS	UK16 Gloucester
TU68 Ankara	ISLANDS	UK17 Greater London
TU07 Antalya		UK18 Greater Manchester
TU08 Artvin	TV TUVALU	UK19 Hampshire
		UK20 Hereford and Worcester
	UG UGANDA	UK21 Hertford
TU10 Balikesir		UK22 Humberside
TU76 Batman	UG05 Busoga	UK23 Isle of Wight
TU77 Bay burt	UG18 Central	
TU11 Bilecik	UG20 Eastern	UK24 Kent
TU12 Bingol	UG08 Karamoja	UK25 Lancashire
TU13 Bitlis	UG21 Nile	UK26 Leicester
TU14 Bolu	UG22 North Buganda	UK27 Lincoln
TU15 Burdur	UG23 Northern	UK28 Mersey side
TU16 Bursa	UG12 South Buganda	UK29 Norfoľk
TU17 Canakkale	UG24 Southern	UK31 Northampton
TU18 Cankiri	UG25 Western	UK32 Northumberland
	COZO WOOTOIII	UK30 North Yorkshire
	* IID IIKDAINE	UK33 Nottingham
TU20 Denizli	* UP UKRANE	UK34 Oxford
TU21 Diy arbakir	UP01 Cherkas'ka Oblast'	UK35 Shropshire
TU22 Edirne	UP02 Chernihiv s'ka Oblast'	UK36 Somerset
TU23 Elazig	UP03 Cherniv ets'ka Oblast'	
TU24 Erzincan	UP04 Dnipropetrov s'ka Oblast'	UK37 South Yorkshire
TU25 Erzurum	UP05 Donets'ka Oblast'	UK38 Stafford
TU26 Eskisehir	UP06 Ivano-Frankivs'ka Oblast'	UK39 Suffolk
		UK40 Surrey

UK41	Tyne and Wear	* US22 Louisiana	VE VENEZUELA
	Warwick	* US23 Maine	VE01 Amazonas
	West Midlands	* US24 Mary land * US25 Massachusetts	VE02 Anzoategui
	West Sussex	* US25 Massachusetts	
	West Yorkshire	* US26 Michigan	
			VE04 Aragua
	Wiltshire	* US27 Minnesota	VE05 Barinas
	Antrim	* US28 Mississippi	VE06 Bolivar
UK53	Ards	* US29 Missouri	VE07 Carabobo
UK54	Armagh	* US30 Montana	VE08 Cojedes
UK55	Bally mena	* US31 Nebraska	VE09 Delta Amacuro
UK56	Bally money	* US32 Nev ada	VE24 Dependencias Federales
UK57	Banbridge	* US33 New Hampshire	VE10 Distrito Federal
111/50	D - 14 4	* US34 New Jersey	VE11 Falcon
IIK50	Carrickforque	* US35 New Mexico	VE12 Guarico
LIKED	Castlereagh	* US36 New York	VE13 Lara
LIK61	Coloraina	* US37 North Carolina	VE13 Lara VE14 Merida
UKGI	Carrickf ergus Castlereagh Coleraine Cookstown Craigav on Down Dungannon Fermanagh Larne	* US38 North Dakota	VE14 Menda VE15 Miranda
UKOZ	Craigavan	* LICOO Obio	
UNOS	Craigavon	* US39 Ohio	VE16 Monagas
UK64	Down	* US40 Oklahoma	VE17 Nueva Esparta
UK65	Dungannon	* US41 Oregon	VE18 Portuguesa
UK66	Fermanagh	* US42 Pennsylvania * US44 Rhode Island	VE19 Sucre
UK67	Larne	* US44 Rhode Island	VE20 Tachira
UK68	Limav ady	* US45 South Carolina	VE21 Trujillo
			VE22 Yaracuy
UK70	Londonderry	* US47 Tennessee	VE23 Zulia [*]
UK71	Magheraf elf	* US48 Texas	
UK72	Lisburn Londonderry Magheraf elt Moy le Newry and Mourne Newtownabbey North Down Omagh Strabane Borders	* US49 Utah	VM VIETNAM
UK73	Newry and Mourne	* US50 Vermont	VM43 An Giang
11K74	Newtownahhey	* US51 Virginia	VM53 Ba Ria-Vung Tau
11175	North Down	* IIS53 Washington	
0173	Oran - rib	* 11054 - Washington	VM02 Bac Thai
UK/6	Omagn	* US54 West Virginia	VM03 Ben Tre
UK//	Strapane	" US55 Wisconsin	VM54 Binh Dinh
UK/8	Borders	* US56 Wyoming	VM55 Binh Thuan
UK/9	Central		VM56 Can Tho
UK80	Dumfries and Galloway	UY URUGUAY	VM05 Cao Bang
UK81		UY01 Artigas	VM44 Dac Lac
	Grampian	UY02 Canelones	VM45 Dong Nai
UK83	Highland	UY03 Cerro Largo	VM46 Dong Thap
UK84	Lothian	UY04 Colonia	VM57 Gia Ľai É
	Orkney	UY05 Durazno	VM11 Ha Bac
	Shetland	UY06 Flores	VM58 Ha Giang
	Strathcly de	UY07 Florida	VM51 Ha Noi
UK88	Tay side	UY08 Lavalleja	VM59 Ha Tay
	Western Isles	UY09 Maldonado	VM60 Ha Tinh
	Clwy d	UY10 Montevideo	
UK91	Dyfed		VM12 Hai Hung
UK92	Gwent	UY11 Paysandu	VM13 Hai Phong
		UY12 Rio Negro	VM52 Ho Chi Minh
UK93	Gwy nedd	UY13 Rivera	VM61 Hoa Binh
	Mid Glamorgan	UY14 Rocha	VM62 Khanh Hoa
	Powys	UY15 Salto	VM47 Kien Giang
	South Glamorgan	UY16 San Jose	VM63 Kon Tum
UK97	West Glamorgan	UY17 Soriano	VM22 Lai Chau
		UY18 Tacuarembo	
		O I TO TACUATETIBO	VM23 Lam Dong
* US	UNITED STATES		VM23 Lam Dong
	UNITED STATES Alabama	UY19 Treinta y Tres	VM23 Lam Dong VM39 Lang Son
* US01	Alabama	UY19 Treinta y Tres	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai
* US01 * US02	Alabama Alaska		VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An
* US01 * US02 * US04	Alabama Alaska Arizona	UY19 Treinta y Tres UZ UZBEKISTAN	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai
* US01 * US02 * US04 * US05	Alabama Alaska Arizona Arkansas	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha
* US01 * US02 * US04 * US05 * US06	Alabama Alaska Arizona Arkansas Calif ornia	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An
* US01 * US02 * US04 * US05 * US06 * US08	Alabama Alaska Arizona Arkansas Calif ornia Colorado	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh
* US01 * US02 * US04 * US05 * US06 * US08 * US09	Alabama Alaska Arizona Arkansas Calif ornia Colorado Connecticut	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo NH07 Banks/Torres	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh VM68 Ninh Thuan
* US01 * US02 * US04 * US05 * US06 * US08 * US09 * US10	Alabama Alaska Arizona Arkansas Calif ornia Colorado Connecticut Delaware	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo NH07 Banks/Torres NH08 Efate	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh VM68 Ninh Thuan VM69 Phu Yen
* US01 * US02 * US04 * US05 * US06 * US08 * US09 * US10 * US11	Alabama Alaska Arizona Arkansas Calif ornia Colorado Connecticut Delaware District of Columbia	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo NH07 Banks/Torres NH08 Ef ate NH09 Epi	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh VM68 Ninh Thuan VM69 Phu Yen VM70 Quang Binh
* US01 * US02 * US04 * US05 * US06 * US09 * US10 * US11 * US11	Alabama Alaska Arizona Arkansas Calif ornia Colorado Connecticut Delaware District of Columbia Florida	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo NH07 Banks/Torres NH08 Ef ate NH09 Epi NH10 Malakula	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh VM68 Ninh Thuan VM69 Phu Yen VM70 Quang Binh VM29 Quang Nam-Da Nang
* US01 * US02 * US04 * US05 * US06 * US08 * US09 * US11 * US12 * US12 * US13	Alabama Alaska Arizona Arkansas Calif ornia Colorado Connecticut Delaware District of Columbia Florida Georgia	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo NH07 Banks/Torres NH08 Ef ate NH09 Epi NH10 Malakula NH11 Paama	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh VM68 Ninh Thuan VM69 Phu Yen VM70 Quang Binh VM29 Quang Nam-Da Nang VM71 Quang Ngai
* US01 * US02 * US04 * US05 * US06 * US08 * US09 * US10 * US11 * US11 * US13 * US13	Alabama Alaska Arizona Arkansas Calif ornia Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo NH07 Banks/Torres NH08 Ef ate NH09 Epi NH10 Malakula	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh VM68 Ninh Thuan VM69 Phu Yen VM70 Quang Binh VM29 Quang Nam-Da Nang VM71 Quang Ngai VM30 Quang Ninh
* US01 * US02 * US04 * US05 * US06 * US08 * US09 * US11 * US11 * US12 * US13 * US15 * US16	Alabama Alaska Arizona Arkansas Calif ornia Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo NH07 Banks/Torres NH08 Ef ate NH09 Epi NH10 Malakula NH11 Paama	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh VM68 Ninh Thuan VM69 Phu Yen VM70 Quang Binh VM29 Quang Nam-Da Nang VM71 Quang Ngai VM30 Quang Ninh VM72 Quang Tri
* US01 * US02 * US04 * US05 * US06 * US08 * US09 * US10 * US11 * US12 * US13 * US15 * US16 * US16	Alabama Alaska Arizona Arkansas Calif ornia Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo NH07 Banks/Torres NH08 Ef ate NH09 Epi NH10 Malakula NH11 Paama NH12 Pentecote NH13 Santo/Malo	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh VM68 Ninh Thuan VM69 Phu Yen VM70 Quang Binh VM29 Quang Nam-Da Nang VM71 Quang Ngai VM30 Quang Ninh VM72 Quang Tri VM73 Soc Trang
* US01 * US02 * US04 * US05 * US06 * US08 * US09 * US10 * US11 * US12 * US13 * US15 * US16 * US18	Alabama Alaska Arizona Arkansas Calif ornia Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo NH07 Banks/Torres NH08 Efate NH09 Epi NH10 Malakula NH11 Paama NH12 Pentecote NH13 Santo/Malo NH14 Shepherd	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh VM68 Ninh Thuan VM69 Phu Yen VM70 Quang Binh VM29 Quang Nam-Da Nang VM71 Quang Ninh VM72 Quang Ninh VM72 Quang Tri VM73 Soc Trang VM49 Song Be
* US01 * US02 * US04 * US05 * US06 * US08 * US09 * US10 * US11 * US12 * US13 * US15 * US16 * US18 * US18 * US19	Alabama Alaska Arizona Arkansas Calif ornia Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo NH07 Banks/Torres NH08 Ef ate NH09 Epi NH10 Malakula NH11 Paama NH12 Pentecote NH13 Santo/Malo	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh VM68 Ninh Thuan VM69 Phu Yen VM70 Quang Binh VM29 Quang Nam-Da Nang VM71 Quang Ninh VM30 Quang Ninh VM72 Quang Tri VM73 Soc Trang VM49 Song Be VM32 Son La
* US01 * US02 * US04 * US05 * US06 * US09 * US10 * US11 * US12 * US13 * US15 * US15 * US16 * US17 * US18 * US19 * US20	Alabama Alaska Arizona Arkansas Calif ornia Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo NH07 Banks/Torres NH08 Ef ate NH09 Epi NH10 Malakula NH11 Paama NH12 Pentecote NH13 Santo/Malo NH14 Shepherd NH15 Taf ea	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh VM68 Ninh Thuan VM69 Phu Yen VM70 Quang Binh VM29 Quang Nam-Da Nang VM71 Quang Ninh VM72 Quang Ninh VM72 Quang Tri VM73 Soc Trang VM49 Song Be
* US01 * US02 * US04 * US05 * US06 * US08 * US09 * US10 * US11 * US12 * US13 * US15 * US16 * US18 * US18 * US19	Alabama Alaska Arizona Arkansas Calif ornia Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa	UY19 Treinta y Tres UZ UZBEKISTAN NH VANUATU NH05 Ambry m NH06 Aoba/Maewo NH07 Banks/Torres NH08 Ef ate NH09 Epi NH10 Malakula NH11 Paama NH12 Pentecote NH13 Santo/Malo NH14 Shepherd NH15 Taf ea	VM23 Lam Dong VM39 Lang Son VM64 Lao Cai VM24 Long An VM48 Minh Hai VM65 Nam Ha VM66 Nghe An VM67 Ninh Binh VM68 Ninh Thuan VM69 Phu Yen VM70 Quang Binh VM29 Quang Nam-Da Nang VM71 Quang Ninh VM72 Quang Tri VM30 Quang Tri VM73 Soc Trang VM49 Song Be VM32 Son La

* VQ VIRGIN ISLANDS

WQ WAKE ISLAND

WF WALLIS AND FUTUNA

WE **WEST BANK**

WI **WESTERN SAHARA**

WS WESTERN SAMOA

WS01 A'ana

WS02 Aiga-i-le-Tai WS03 Atua

WS04 WS05 Fa'asaleleaga Gaga'emauga WS07 Gagaif omauga

WS08 Palauli

WS09 Satupa'itea WS10 Tuamasaga

WS06 Vaʻa-o-Fo WS11 Vaisigano Va'a-o-Fonoti

YM YEMEN YM01 Abyan YM02 'Adan

YM07 Al Bayda'

YM08 Al Huday dah

YM09 Al Jawf

YM03 Al Mahrah

YM10 Al Mahwit

YM11 Dhamar

YM04 Hadramawt

YM12 Hajjah

YM13 Ibb

Y M06 Lahij YM14 Ma'rib

Y M05 Shabwah

YM15 Sa'dah

YM16 San'a' YM17 Ta'izz

CG ZAIRE

CG01 Bandundu

CG08 Bas-Zaire

CG02 Equateur CG09 Haut-Zaire CG03 Kasai-Occi

Kasai-Occidental CG04 Kasai-Oriental

CG06 Kinshasa

CG07 Kiv u CG05 Shaba

G1ZA ZAMBIA

ZA02 Central ZA08 Copperbelt ZA08

ZA03 Eastern

ZA04 Luapula

ZAÕ9 Lusaka

ZA05 Northern

ZA06 North-Western

ZA07 Southern

ZA01 Western

ZI ZIMBABWE

ZI01 Manicaland

Z103 Mashonaland Central

ZI04 Mashonaland East

Mashonaland West ZI05

ZI06 Matabeleland North Matabeleland South

Z107

ZI02 Midlands ZI08 Masvingo

TW TAIWAN

TW01 Fu-chien TW02 Kao-hsiung

TW03 T'ai-pei

TW04 T'ai-wan

APPENDIX S. APPLICATION TYPE CODES

Application Method	AQUIRE Code
Aerial (unknown type) Aerial-granular Aerial-spray Direct application Ground-granular Ground-spray (application from a large device, eq., truck tanker)	AE AG AS DA GG GS
Hand-spray	HS
(from a small supply, able to be applied by one person, eg., backpack sprayer) In Situ Multiple Not Reported Pump Soil slurry Spray (unknown type)	IS MU NR PU SS SP